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CMT LabView Driver

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CmtNA LabView Driver

Welcome to the **CmtNA** version **20.3.0** LabVIEW driver. This file contains programming reference information for LabVIEW.

Web Sites

Copper Mountain Technologies

Creating an Application with LabVIEW

To create your application, you need an industry-standard instrument driver such as CmtNA to control your device. CmtNA controls the configuration and operation of NI RF vector network analyzers using LabVIEW software, as well as conventional programming languages, such as Microsoft Visual C and C++. The CmtNA instrument driver reduces your program development time, facilitates parallel test of multiple RF components, and simplifies device control.

You can begin programming with the following application development environments (ADEs):

- NI LabVIEW
- Microsoft Visual C/C++

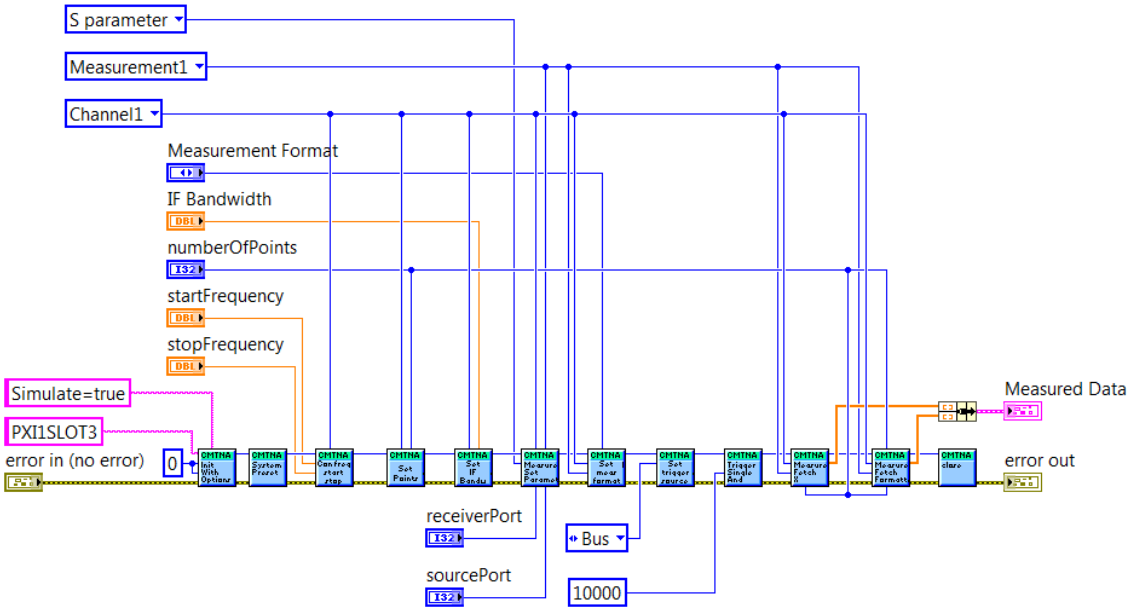
Each topic includes basic information about how to create an application and how to find and use examples for each ADE.

Creating an Application with LabVIEW

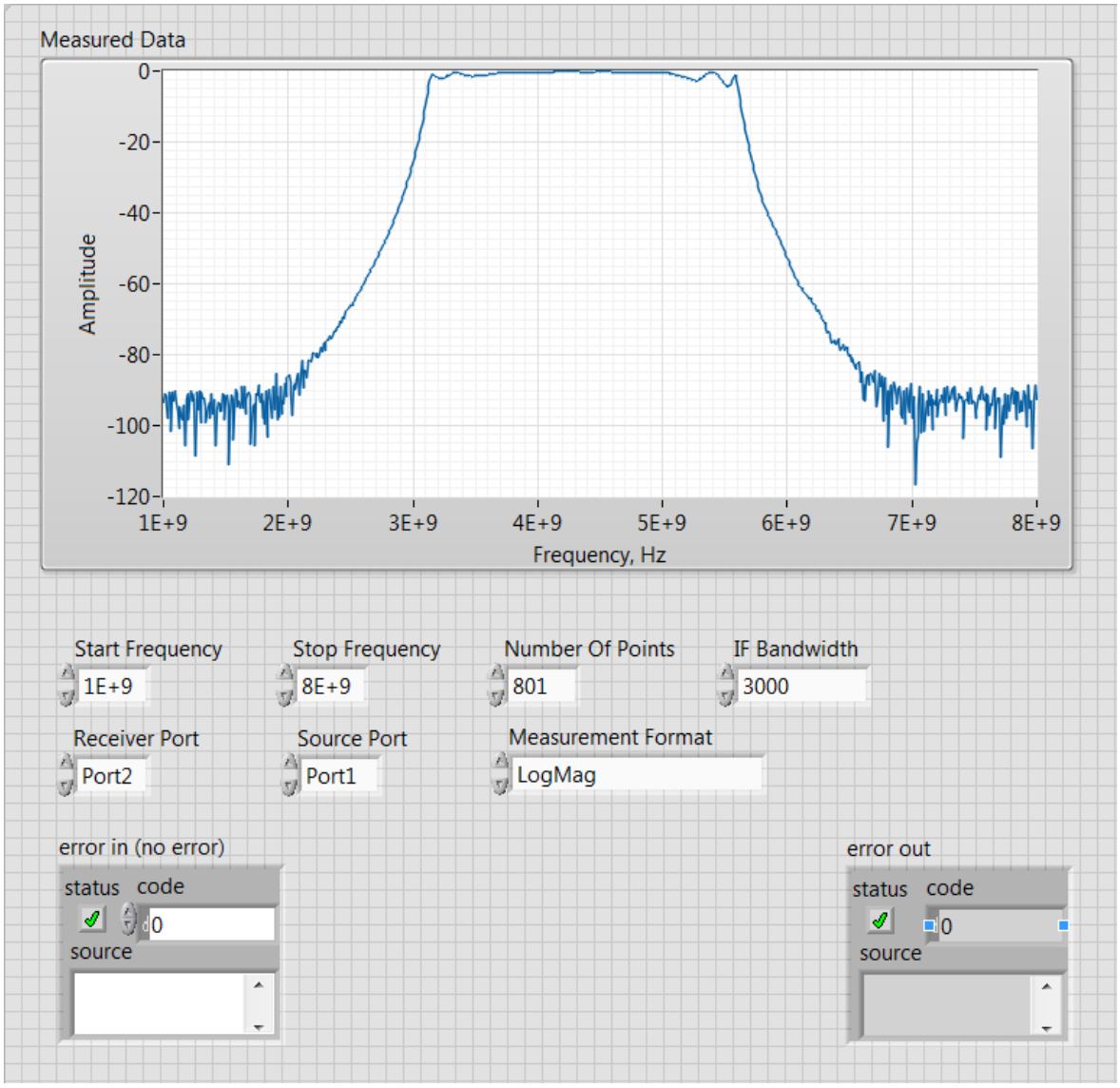
This topic assumes that you are using the National Instruments LabVIEW ADE to manage your code development and that you are familiar with the ADE.

To develop an CmtNA application in LabVIEW, follow these general steps:

1. Launch LabVIEW.
2. Open an existing or new LabVIEW VI.
3. From the Functions Palette, locate the CmtNA VIs at **Instrument I/O » Instrument Drivers » CmtNA.**
4. Select the VIs that you want to use and drop them on the block diagram to build your application.



5. Run the program to get a result, report or data chart.


Measured Data
0
-20
-40
-60
-80
-100
-120
Amplitude
1E+9
2E+9
3E+9
4E+9
5E+9
6E+9
7E+9
8E+9
Frequency, Hz
Start Frequency
1E+9
Stop Frequency
8E+9
Number Of Points
801
IF Bandwidth
3000
Receiver Port
Port2
Source Port
Port1
Measurement Format
LogMag
error in (no error)
status
code
0
source
error out
status
code
0
source

Cmt LabVIEW Reference

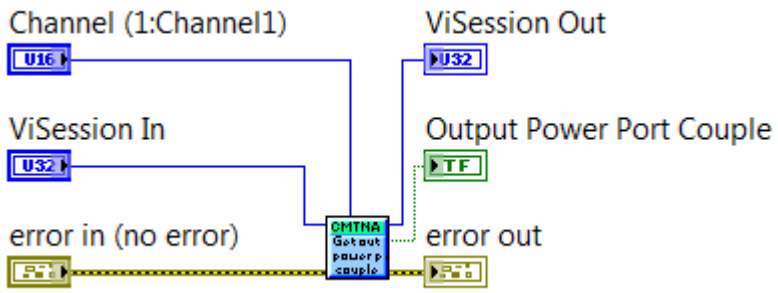
Stimulus

Power

Get Stimulus Output Power Port Couple

Description

Turns ON/OFF the port power couple.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Output Power Port Couple

The state of the port power couple.



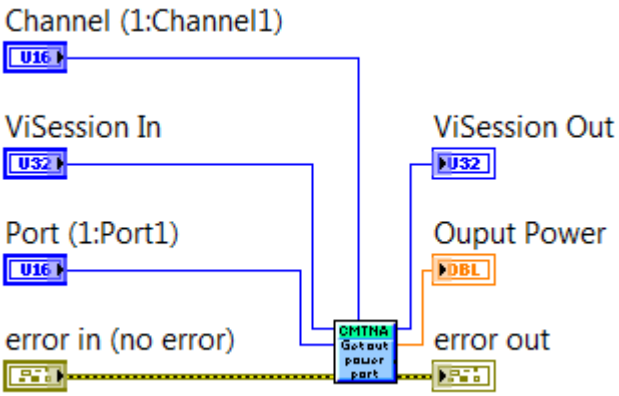
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Output Power Port

Description

Turns ON/OFF the port power couple.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Port (1:Port1)

Specifies the port for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Output Power

The power level for the frequency sweep type.



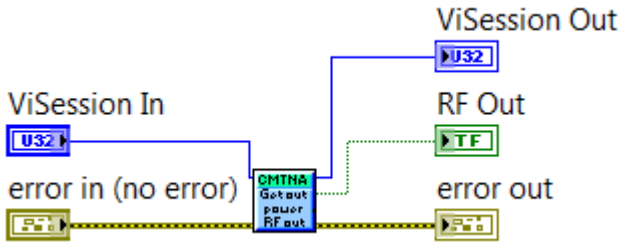
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Output Power RF out

Description

Turns ON/OFF the RF signal output. Measurements cannot be performed when the RF signal output is turned OFF.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

RF out

The state of the RF signal output.

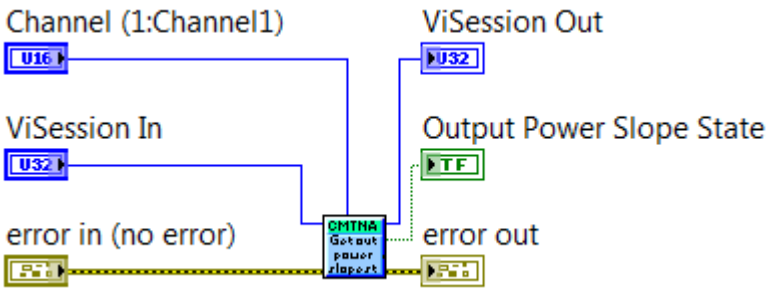
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Output Power Slope State

Description

Turns ON/OFF the power slope. The power slope is valid for the frequency sweep type: Linear, Logarithimic, Segment.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Output Power Slope State

The state of the power slope.

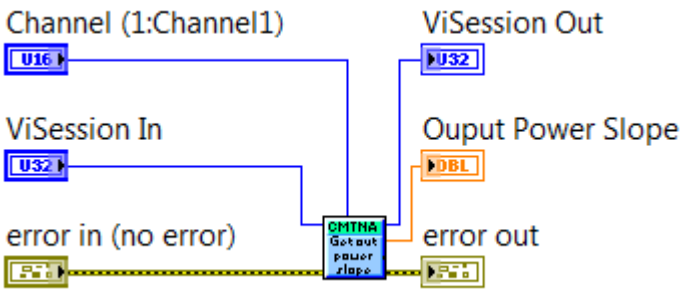
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Output Power Slope

Description

Gets the power slope value for the frequency sweep. This value is expressed in decibels/gigahertz (dB/GHz).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Output Power Slope

The power slope value for the frequency sweep.

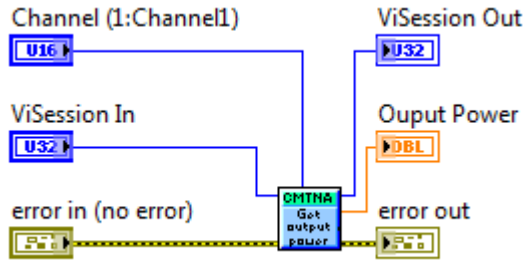
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Output Power

Description

Gets the power level for the frequency sweep type. This value is expressed in decibels above 1 milliwatt (dBm).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Output Power

The power level for the frequency sweep type.

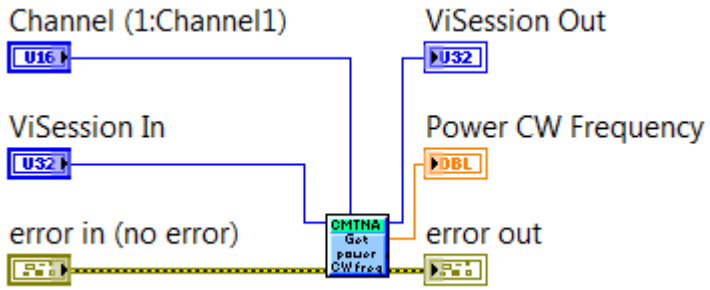
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Power CW Frequency

Description

Gets the fixed frequency value when the power sweep type selected. The value is expressed in hertz (Hz).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Power CW Frequency

The fixed frequency value.

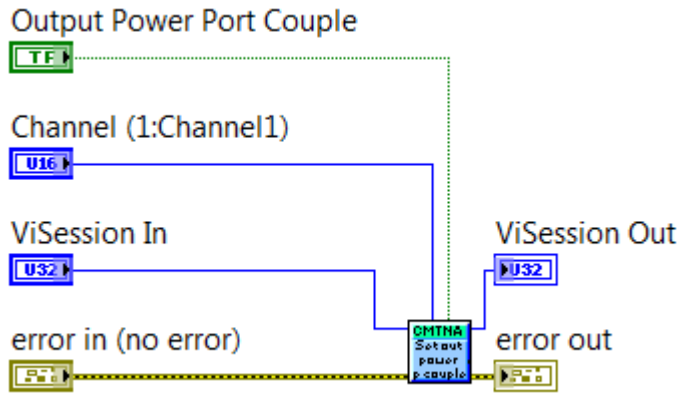
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Ouput Power Port Couple

Description

Turns ON/OFF the port power couple.



Output Power Port Couple

The state of the port power couple.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



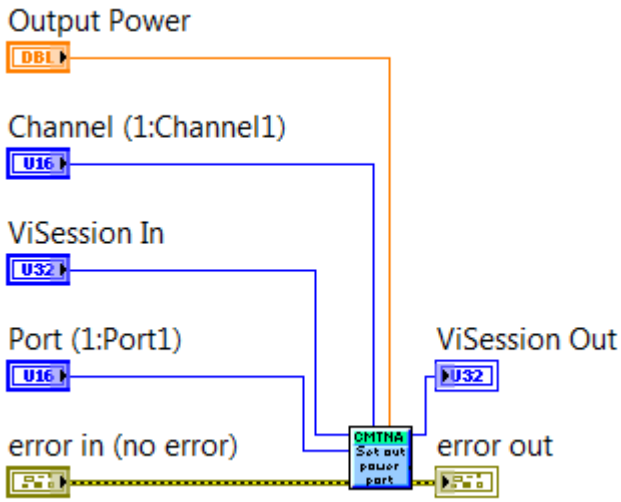
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Output Power Port

Description

Sets the power level for the frequency sweep type. This value is expressed in decibels above 1 milliwatt (dBm).



Output Power Port

The power level for the frequency sweep type.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Port (1:Port1)

Specifies the port for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



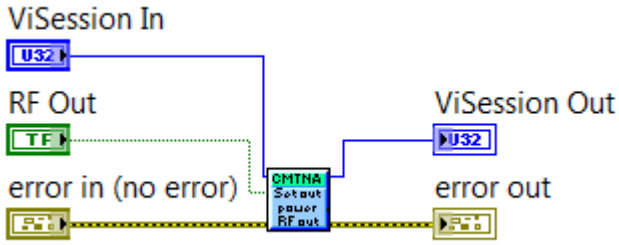
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Output Power RF out

Description

Turns ON/OFF the RF signal output. Measurements cannot be performed when the RF signal output is turned OFF.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

RF Out

The state of the RF signal output.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

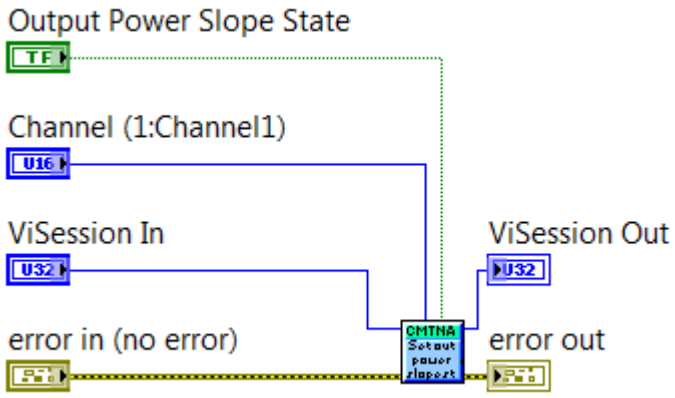
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Output Power Slope State

Description

Turns ON/OFF the power slope. The power slope is valid for the frequency sweep type: Linear, Logarithimic, Segment.



Output Power Slope State

The state of the power slope.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



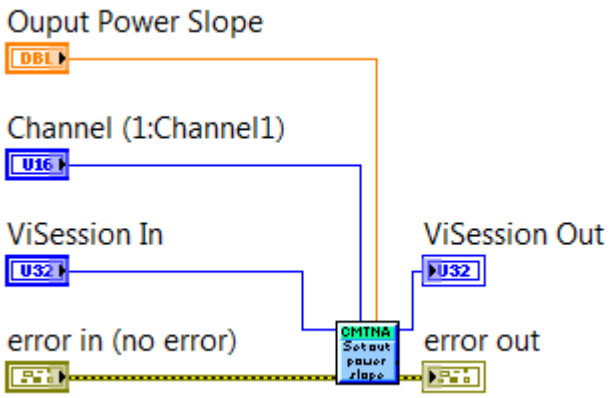
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Output Power Slope

Description

Sets the power slope value for the frequency sweep. This value is expressed in decibels/gigahertz (dB/GHz).



Output Power Slope

The power slope value for the frequency sweep.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



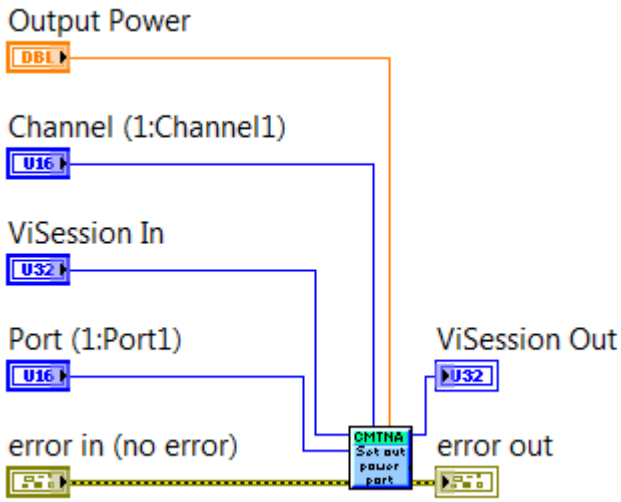
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Output Power

Description

Sets the power level for the frequency sweep type. This value is expressed in decibels above 1 milliwatt (dBm).



Output Power

The power level for the frequency sweep type.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



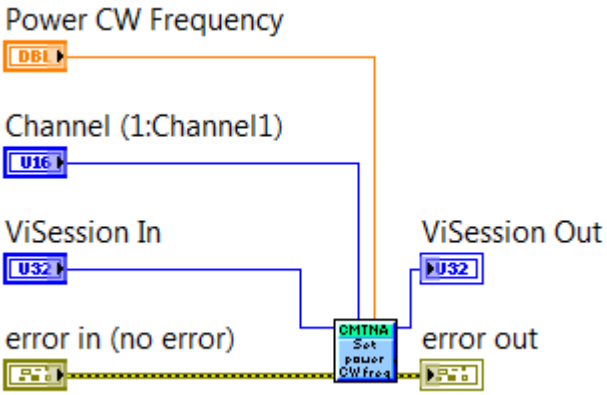
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Power CW Frequency

Description

Sets the fixed frequency value when the power sweep type selected. The value is expressed in hertz (Hz).



Power CW Frequency

The fixed frequency value.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

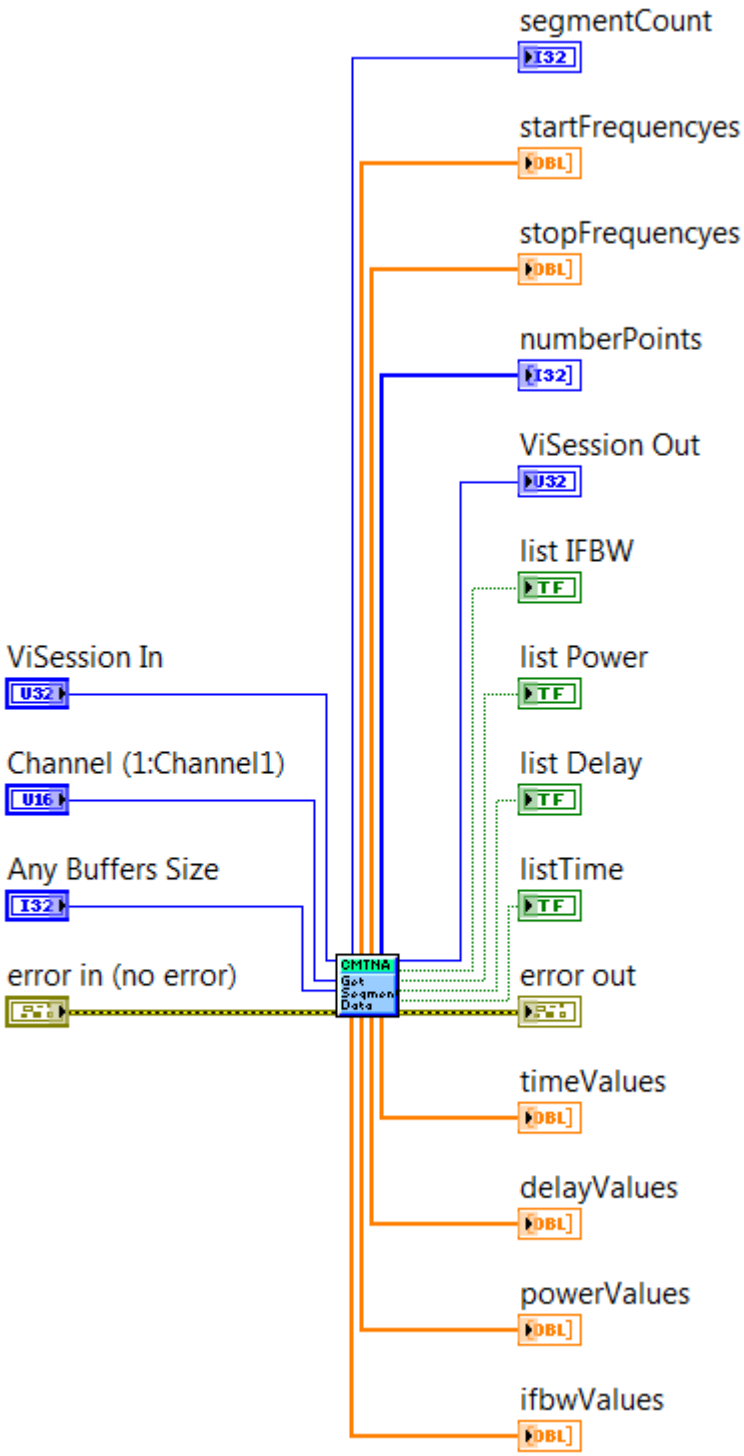
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Segment Table

Get Segment Data

Description

Gets the array of the segment sweep table.





ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.



Any Buffers Size

The size of the arrays to hold in the **startFrequencyes, stopFrequencyes, number Points, ifbw Values, power Values, delay Values, time Values** parameters.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



segmentCount

The number of segments.



startFrequencies

The array of start value.



stop Frequenies

The array of stop value.



number Points

The array of number of points.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

list IFBW

Setting of ifbw Values (0 – disabled, 1 – enabled).

ifbw Values

The array of value of IF bandwidth (if enabled).

list Power

Setting of powerValues (0 – disabled, 1 – enabled).

power Values

The array of value of power (if enabled).

list Delay

Setting of delayValues (0 – disabled, 1 – enabled).

delay Values

The array of value of measurement delay (if enabled).

error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

timeValues

Reserved for future use (if enabled).

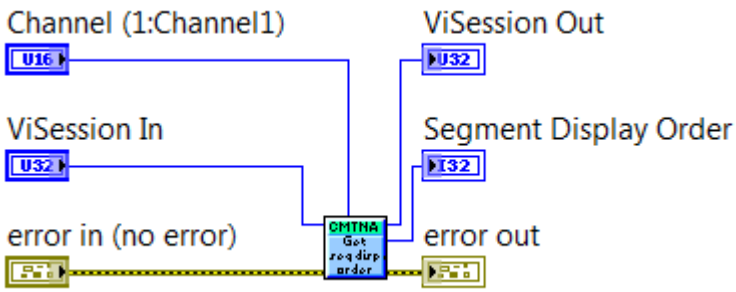
list Time

Setting of timeValues (0 – disabled, 1 – enabled).

Get Stimulus Segment Display Order

Description

Gets the display method of the graph horizontal axis for the segment sweep.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Segment Display Order

The display method of the graph horizontal axis for the segment sweep.

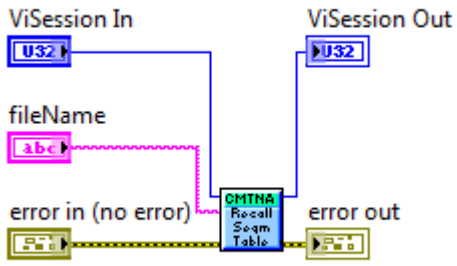
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Recall Segment Table

Description

Recalls the segment table file. The function sets attribute for the active channel.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

file Name

The file path into which to save the data. If the full path of the file is not specified, the \Segment subdirectory of the application directory will be searched for the file. The segment file has *.seg extension by default.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

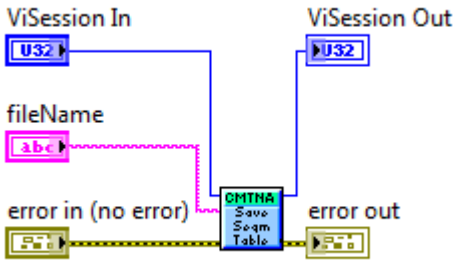
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Save Segment Table

Description

Saves the segment table in a file. The function sets attribute for the active channel.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

file Name

The file path into which to save the data. If the full path of the file is not specified, the \Segment subdirectory of the application directory will be searched for the file. The segment file has *.seg extension by default.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

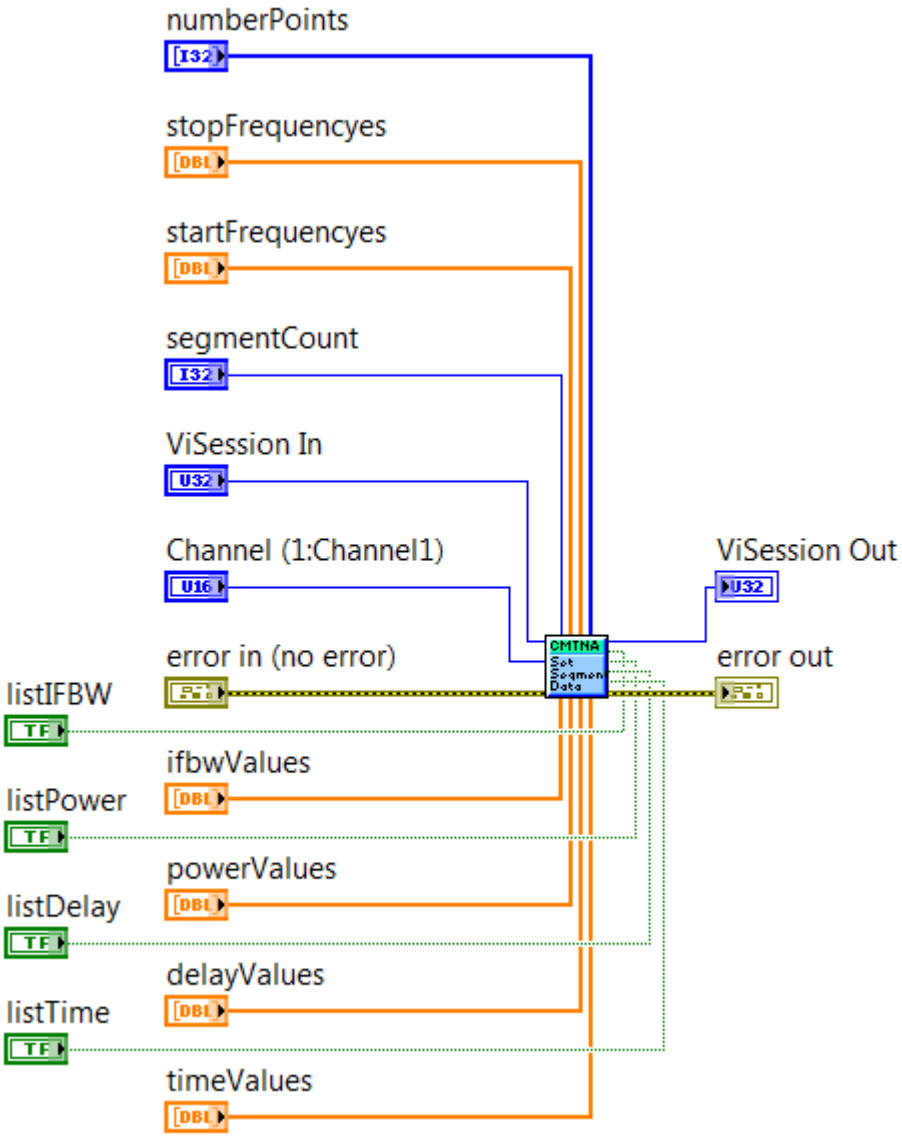
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Segment Data

Description

Sets the array of the segment sweep table.



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numberPoints

The array of number of points.

stopFrequencies

The array of stop value.

startFrequencies

The array of start value.

segmentCount

The number of segments.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

listIFBW

Setting of ifbw Values (0 – disabled, 1 – enabled).

ifbwValues

The array of value of IF bandwidth (if enabled).

listPower

Setting of powerValues (0 – disabled, 1 – enabled).

powerValues

The array of value of power (if enabled).

listDelay

Setting of delayValues (0 – disabled, 1 – enabled).



delayValues

The array of value of measurement delay (if enabled).



listTime

Setting of timeValues (0 – disabled, 1 – enabled).



timeValues

Reserved for future use (if enabled).



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Segment Display Order

The display method of the graph horizontal axis for the segment sweep.



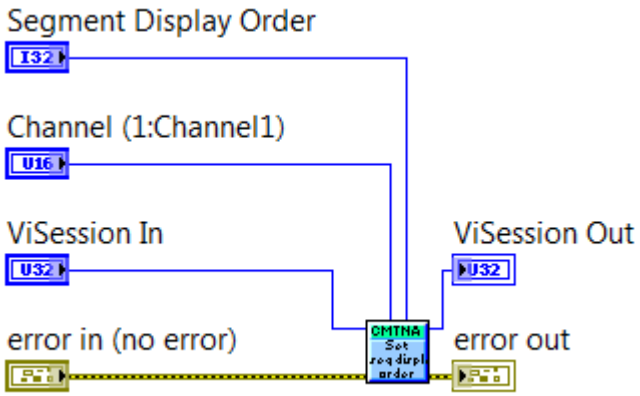
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Segment Display Order

Description

Sets the display method of the graph horizontal axis for the segment sweep.



Segment Display Order

The display method of the graph horizontal axis for the segment sweep.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Trigger

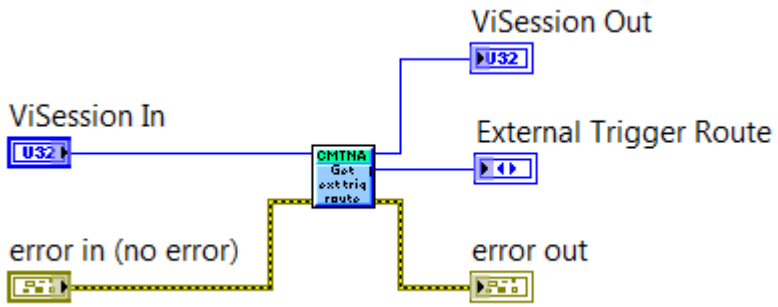
Ext Trigger

Get External Trigger Route

Description

Gets the connector to use for the external trigger input in a PXI system (command valid for PXIe-S5090 model only). The trigger source must be set to the EXTernal. One of the 10 routes can be selected.

The same line cannot be selected as input and output trigger route.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

External Trigger Route

The connector to use for the external trigger input.

Valid list of return values:

0: SMB

1: TRIG0

2: TRIG1

3: TRIG2

4: TRIG3

5: TRIG4

6: TRIG5

7: TRIG6

8: STAR



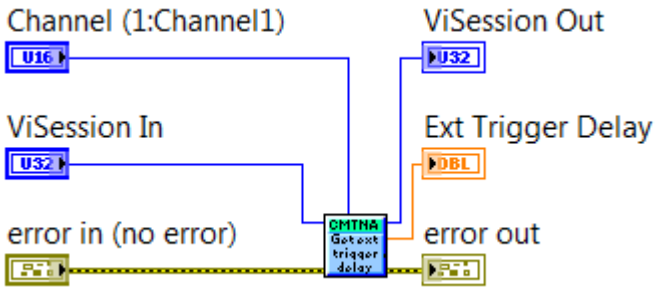
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Ext Trigger Delay

Description

Gets the response delay with respect to the external trigger signal. The value is expressed in seconds (sec).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Ext Trigger Delay

The response delay with respect to the external trigger signal.

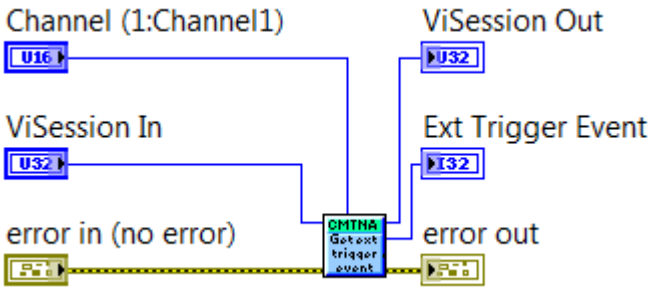
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Ext Trigger Event

Description

Turns ON/OFF the point trigger feature for external trigger source.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Ext Trigger Event

The point trigger feature for external trigger source.

Valid list of return values:

0: On sweep

1: On point



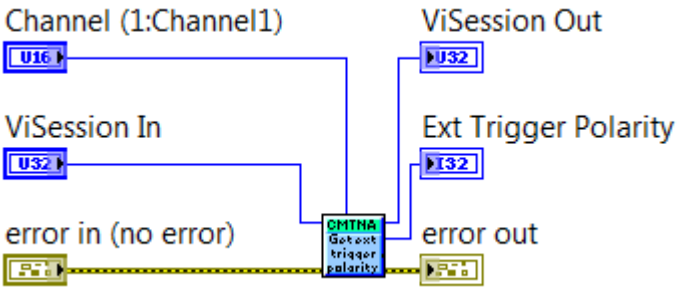
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Ext Trigger Polarity

Description

Gets out the polarity of the external trigger.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Ext Trigger Polarity

The polarity of the external trigger.

Valid list of return values:

0: Negative

1: Positive



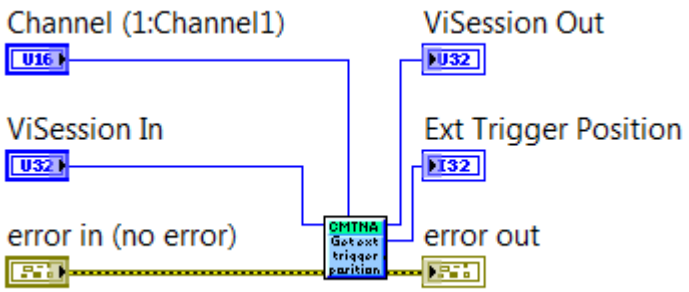
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Ext Trigger Position

Description

Gets the position of the external trigger.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Ext Trigger Position

The position of the external trigger.

Valid list of return values:

0: Before sampling

1: Before frequency setup



error out

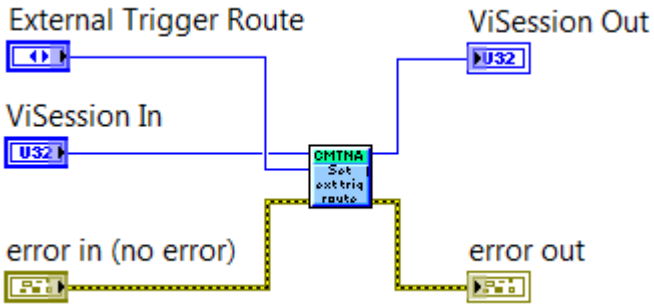
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set External Trigger Route

Description

Sets the connector to use for the external trigger input in a PXI system (command valid for PXIe-S5090 model only). The trigger source must be set to the EXTernal. One of the 10 routes can be selected.

The same line cannot be selected as input and output trigger route.



External Trigger Route

The connector to use for the external trigger input.

Valid list of values:

0: SMB

1: TRIG0

2: TRIG1

3: TRIG2

4: TRIG3

5: TRIG4

6: TRIG5

7: TRIG6

8: STAR

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



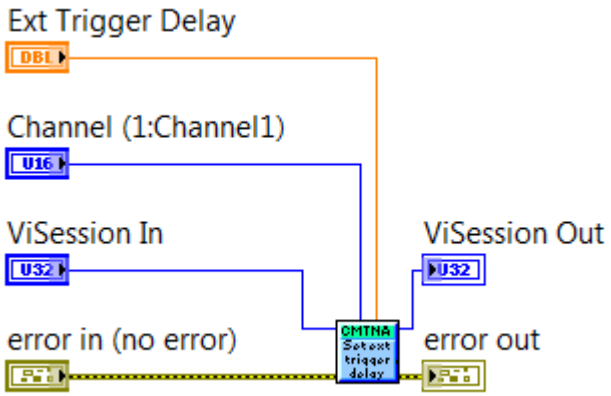
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Ext Trigger Delay

Description

Sets the response delay with respect to the external trigger signal. The value is expressed in seconds (sec).



Ext Trigger Delay

The response delay with respect to the external trigger signal.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



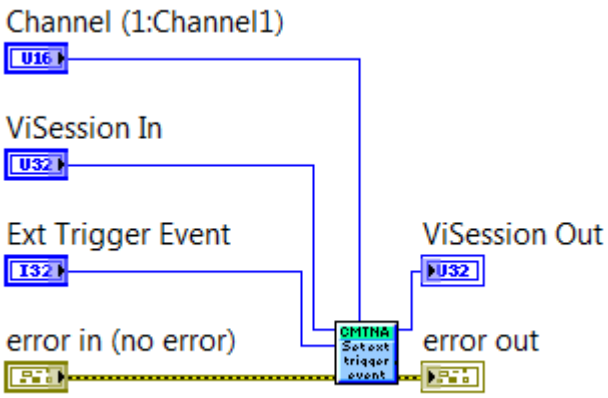
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Ext Trigger Event

Description

Turns ON/OFF the point trigger feature for external trigger source.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Ext Trigger Event

The point trigger feature for external trigger source.

Valid list of values:

0: On sweep

1: On point

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



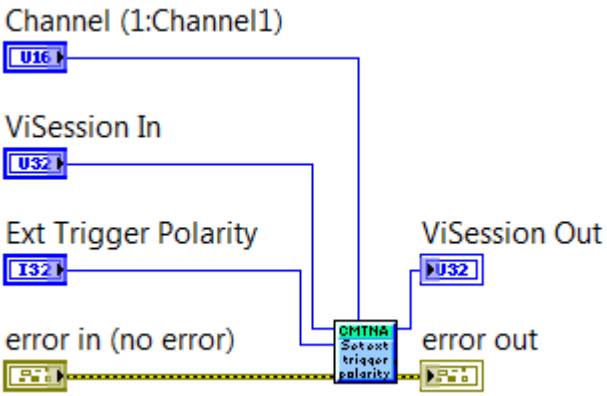
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Ext Trigger Polarity

Description

Sets out the polarity of the external trigger.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Ext Trigger Polarity

The polarity of the external trigger.

Valid list of values:

0: Negative

1: Positive

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



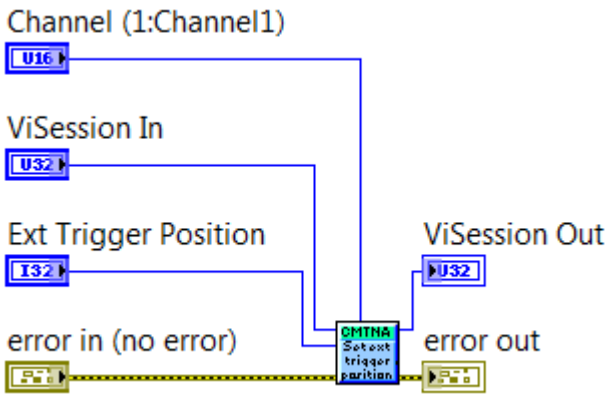
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Ext Trigger Position

Description

Sets the position of the external trigger.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Ext Trigger Position

The position of the external trigger.

Valid list of return values:

0: Before sampling

1: Before frequency setup

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Trigger Output

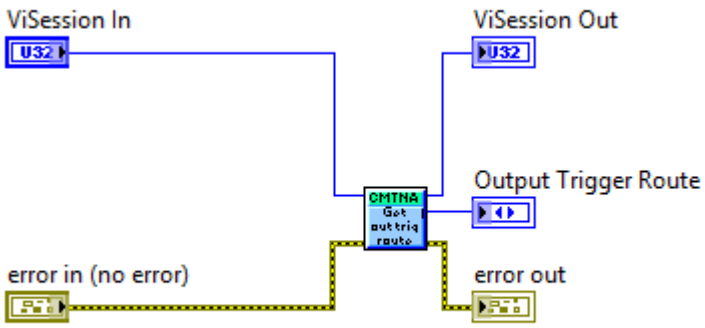
Get Output Trigger Route

Description

Gets the connector to use for the trigger output in a PXI system (command valid for PXIe-S5090 model only).

One of the 9 routes can be selected.

The same line cannot be selected as input and output trigger route.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Output Trigger Route

The connector to use for the trigger output.

Valid list of return values:

0: SMB

1: TRIG0

2: TRIG1

3: TRIG2

4: TRIG3

5: TRIG4

6: TRIG5

7: TRIG6

8: TRIG7



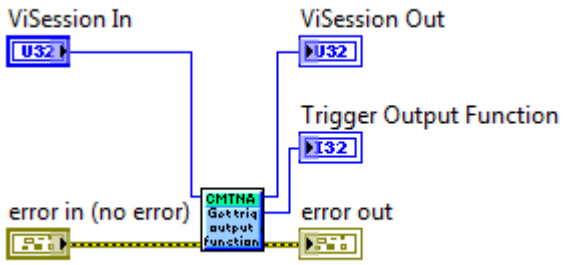
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Trigger Output Function

Description

Gets the trigger output function. The trigger output outputs various waveforms depending on the setting of the Output Trigger Function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Trigger Output Function

The trigger output function.

Valid list of return values:

0: Before Setup

1: Before Sampling

2: After Sampling

3: Ready for trigger

4: Sweep end

5: Measurement



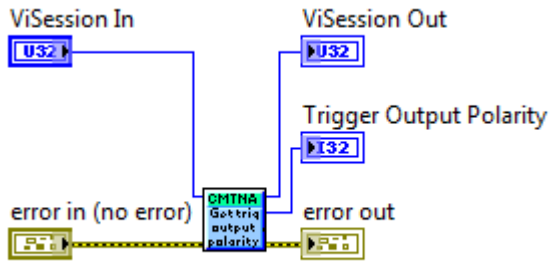
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Trigger Output Polarity

Description

Gets the polarity of the trigger output.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Trigger Output Polarity

The polarity of the trigger output.

Valid list of return values:

0: Negative

1: Positive

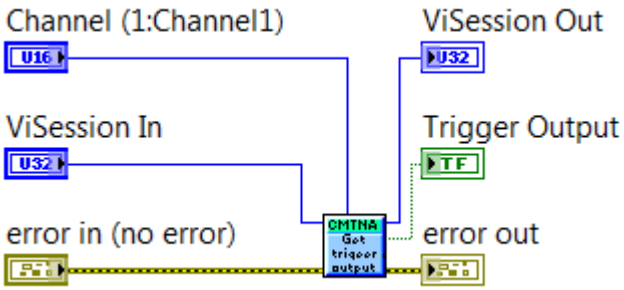
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Trigger Output

Description

Turns ON/OFF the trigger output.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Trigger Output

The state of the trigger output.

error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

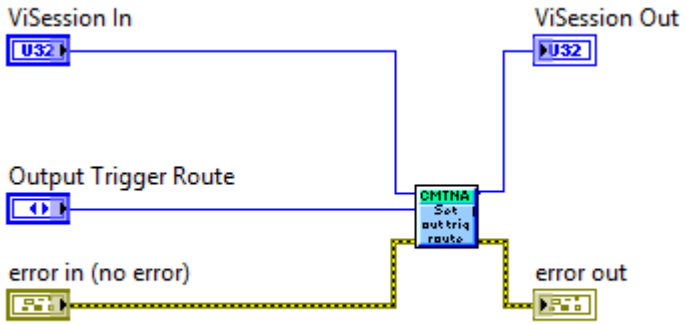
Set Output Trigger Route

Description

Sets the connector to use for the trigger output in a PXI system (command valid for PXIe-S5090 model only).

One of the 9 routes can be selected.

The same line cannot be selected as input and output trigger route.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Output Trigger Route

The connector to use for the trigger output.

Valid list of values:

0: SMB

1: TRIG0

2: TRIG1

3: TRIG2

4: TRIG3

5: TRIG4

6: TRIG5

7: TRIG6

8: TRIG7



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



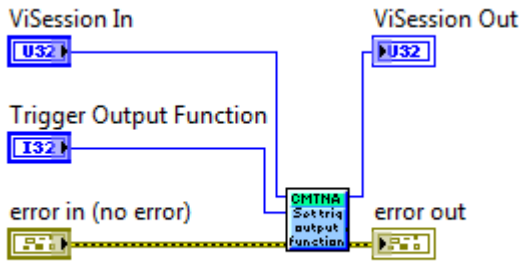
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Trigger Output Function

Description

Sets the trigger output function. The trigger output outputs various waveforms depending on the setting of the Output Trigger Function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Trigger Output Function

The trigger output function.

Valid list of values:

0: Before Setup

1: Before Sampling

2: After Sampling

3: Ready for trigger

4: Sweep end

5: Measurement

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



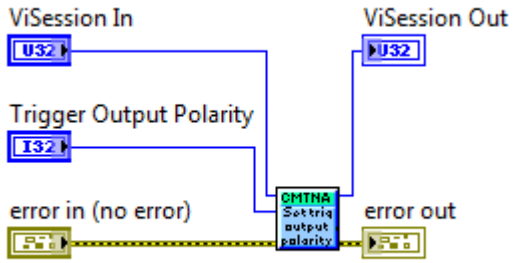
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Trigger Output Polarity

Description

Sets the polarity of the trigger output.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Trigger Output Polarity

The polarity of the trigger output.

Valid list of values:

0: Negative

1: Positive

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

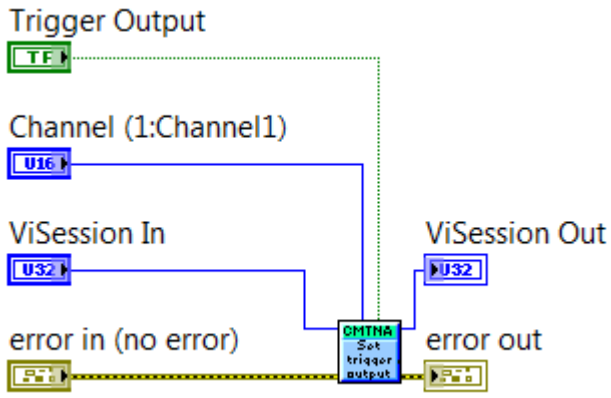
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Trigger Output

Description

Turns ON/OFF the trigger output.



Trigger Output

The state of the trigger output.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



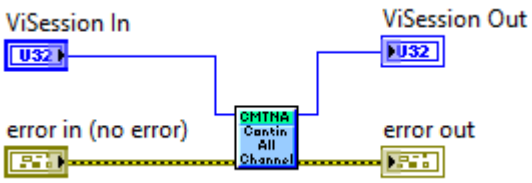
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Continuous All Channels

Description

Turns ON the continuous trigger initiation mode for all channels.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

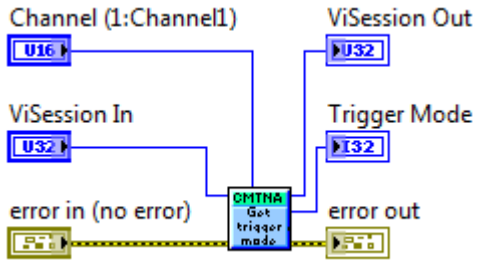
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Trigger Mode

Description

Gets the trigger mode.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Trigger Mode

The trigger mode.

Valid list of return values:

0: Hold

1: Single

2: Continuous



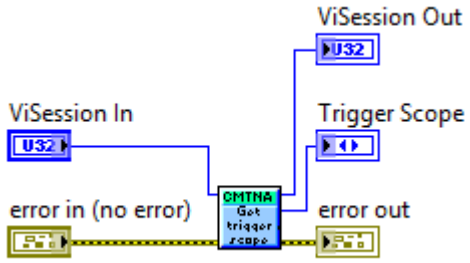
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Trigger Scope

Description

Gets the trigger scope. The trigger scope determines the response on the trigger signal arrival: either starts a sweep of all waiting repCapIDs in turn or starts a sweep in the active channel only.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Trigger Scope

The trigger scope.

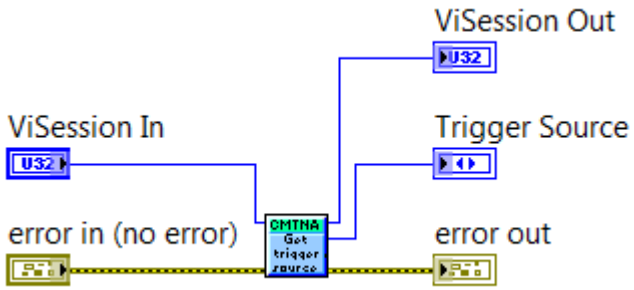
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Trigger Source

Description

Gets the trigger source.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Trigger Source

The trigger source.

Valid list of return values:

0: Internal

1: External

2: Manual

3: Bus



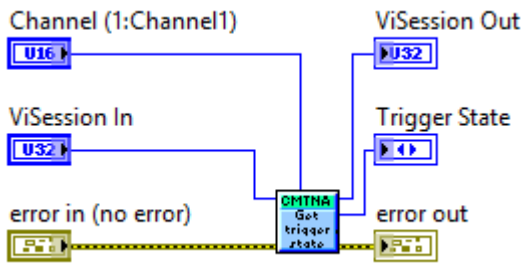
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Trigger State

Description

Gets the the current state of the analyzer.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Trigger State

The current state of the analyzer.

Valid list of return values:

0: Hold

1: Measure

2: Wait



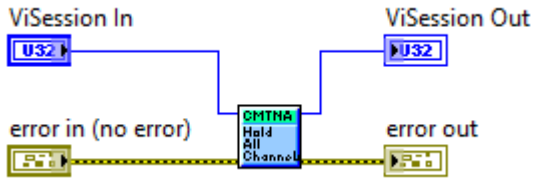
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Hold All Channels

Description

Turns OFF the continuous trigger initiation mode for all channels.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

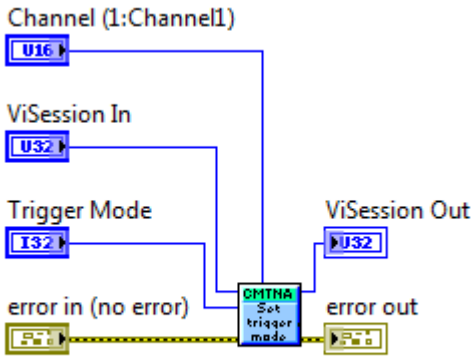
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Trigger Mode

Description

Sets the trigger mode.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession** In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Trigger Mode

The trigger mode.

Valid list of values:

0: Hold

1: Single

2: Continuous

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



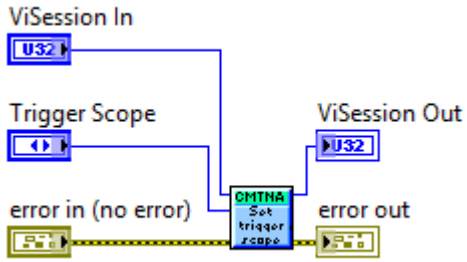
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Trigger Scope

Description

Sets the trigger scope. The trigger scope determines the response on the trigger signal arrival: either starts a sweep of all waiting repCapIDs in turn or starts a sweep in the active channel only.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Trigger Scope

The trigger scope.

Valid list of values:

0: All channels

1: Active channel

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



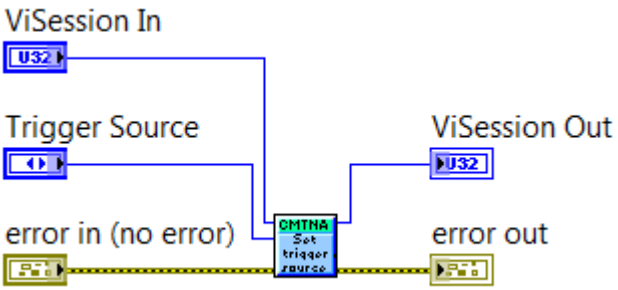
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Trigger Source

Description

Sets the trigger source.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Trigger Source

The trigger source.

Valid list of values:

0: Internal

1: External

2: Manual

3: Bus

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

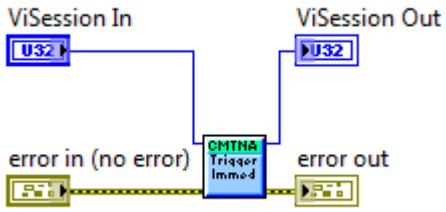
Trigger Immediate

Description

Generates a trigger signal and initiates a sweep under the following conditions:

- Trigger source is set to the BUS (set by the command TRIG:SOUR BUS), otherwise an error occurs and the command is ignored.
- Analyzer must be in the trigger waiting state, otherwise (the analyzer is in the measurement state or in the hold state) an error occurs and the function is ignored.

The function is completed immediately after the generation of the trigger signal (does not wait the end of a sweep).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

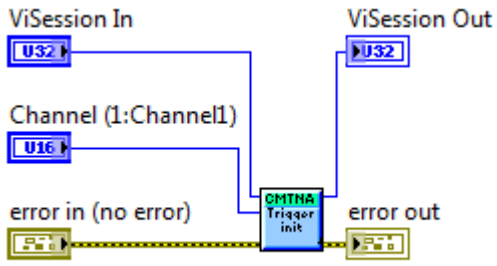
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Trigger Init

Description

Puts the channel to the Trigger Waiting state for the one trigger event. The channel should be in the hold state, otherwise an error occurs and the command is ignored.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

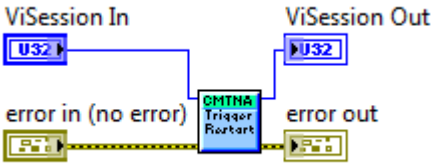
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Trigger Restart

Description

Aborts the sweep. The channels in the Single trigger initiation mode transit to the Hold state. The channels in the Continuous trigger initiation mode transit to the trigger waiting state, if the trigger source is set to Internal, the channel immediately starts a new sweep.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error out

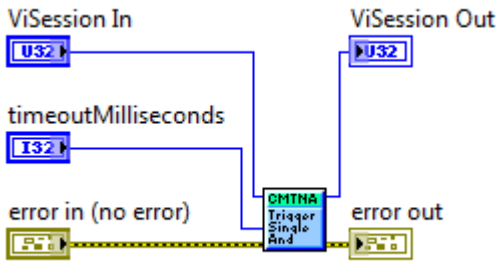
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Trigger Single And Wait

Description

Generates a trigger signal and initiates a sweep under the following conditions:

- Trigger source is set to the BUS, otherwise an error occurs and the function is ignored.
- Analyzer must be in the trigger waiting state, otherwise (the analyzer is in the measurement state or in the hold state) an error occurs and the function is ignored.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

timeoutMilliseconds

Maximum time out. This value is expressed in milliseconds.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

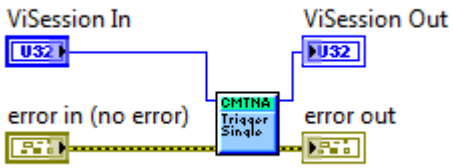
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Trigger Single

Description

Generates a trigger signal and initiates a sweep under the following conditions:

- Trigger source is set to the BUS, otherwise an error occurs and the function is ignored.
- Analyzer must be in the trigger waiting state, otherwise (the analyzer is in the measurement state or in the hold state) an error occurs and the function is ignored.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error out

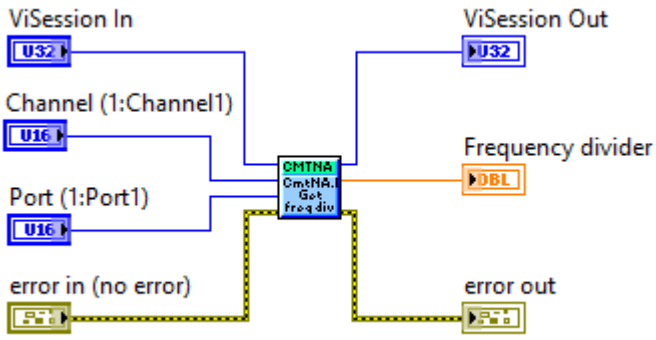
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Frequency Offset

Get Frequency Divider

Description

Gets the basic frequency range divisor of current port when the frequency offset feature is ON and offset type is "PORT".



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Frequency Divider

The basic frequency range divisor of current port.



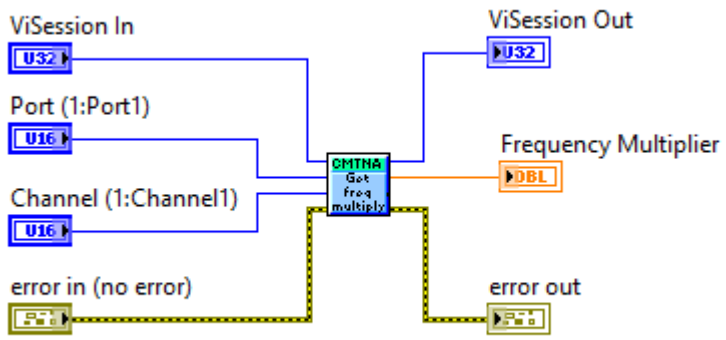
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Frequency Multiplier

Description

Gets the basic frequency range multiplier of port when the frequency offset feature is ON and offset type is "PORT".



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Frequency Multiplier

The basic frequency range multiplier of port.



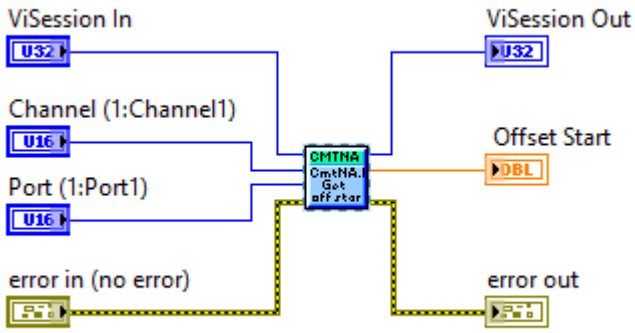
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Frequency Offset Start

Description

Gets the frequency sweep start of current port when the frequency offset feature is ON and offset type is "PORT". The value is expressed in hertz (Hz).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Offset Start

The frequency sweep start of the current port.



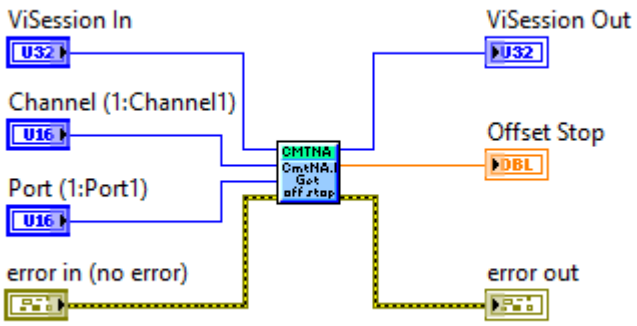
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Frequency Offset Stop

Description

Gets the frequency sweep stop of current port when the frequency offset feature is ON and offset type is "PORT". The value is expressed in hertz (Hz).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Offset Stop

The frequency sweep stop of the current port.



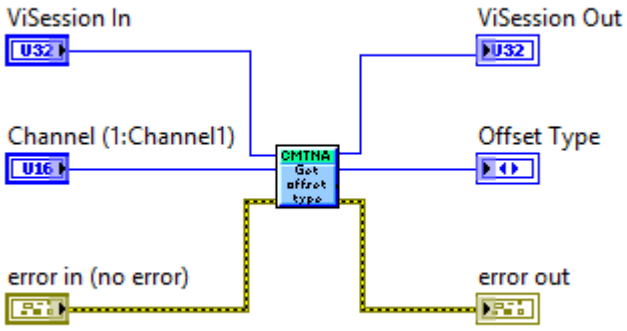
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Frequency Offset Type

Description

Gets the frequency offset type when the frequency offset feature is ON. There are two frequency offset types: "Port1/Port2" and "Source/Receivers". First offset type offsets ports against each other. Second offset type offsets source against receivers.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Offset Type

The frequency offset type.

Valid list of return values:

0: Port1/Port2 offset

1: Source/Receivers offset



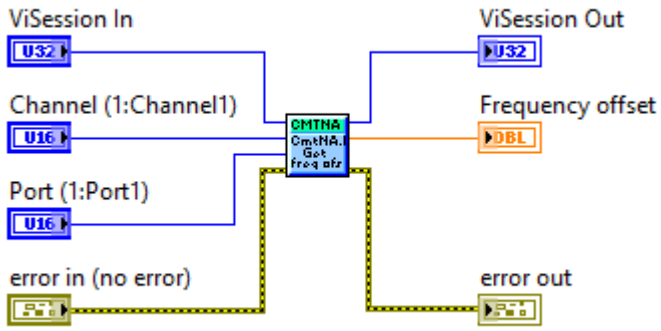
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Frequency Offset

Description

Gets the basic frequency range offset of current port when the frequency offset feature is ON and offset type is "PORT". The value is expressed in hertz (Hz).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Frequency offset

The basic frequency range offset of current port.



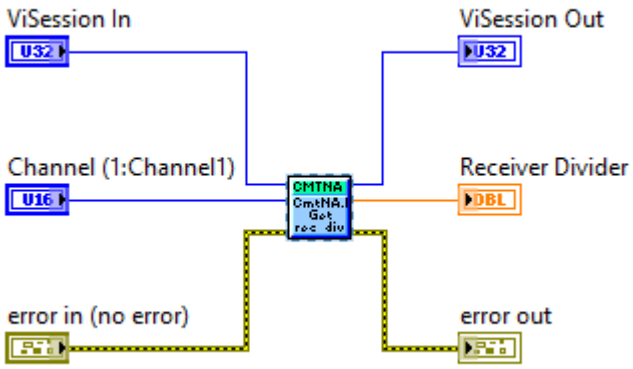
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Frequency Receiver Divider

Description

Gets the basic frequency range divisor to get the receiver frequency when the frequency offset feature is ON and offset type is "SRCRcv".



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Receiver Divider

The basic frequency range divisor to get the receiver frequency.



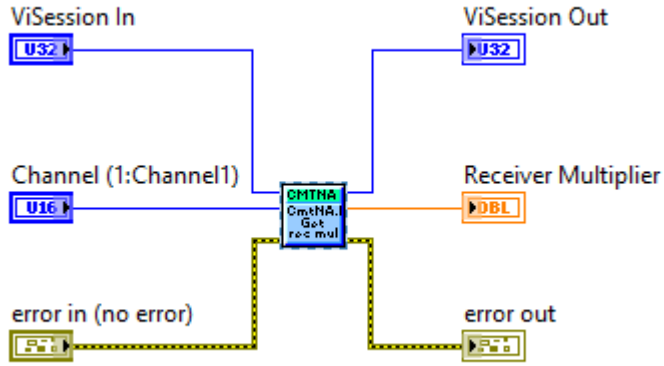
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Frequency Receiver Multiplier

Description

Gets the basic frequency range multiplier to get the receiver frequency when the frequency offset feature is ON and offset type is "SRCRcv".



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Receiver Multiplier

The basic frequency range multiplier to get the receiver frequency.



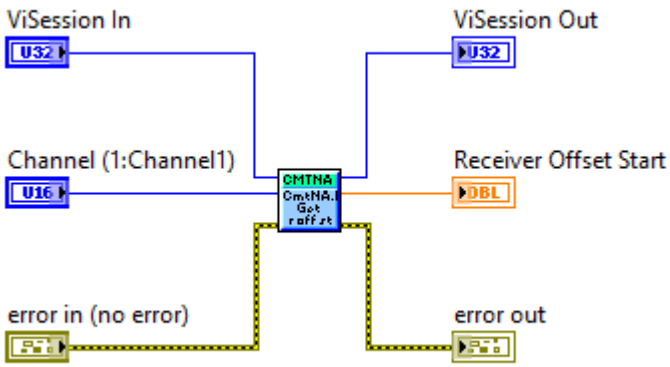
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Frequency Receiver Offset Start

Description

Gets the frequency sweep start of the receivers when the frequency offset feature is ON and offset type is "SRCRcv". The value is expressed in hertz (Hz).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Receiver Offset Start

The frequency sweep start of the receivers.



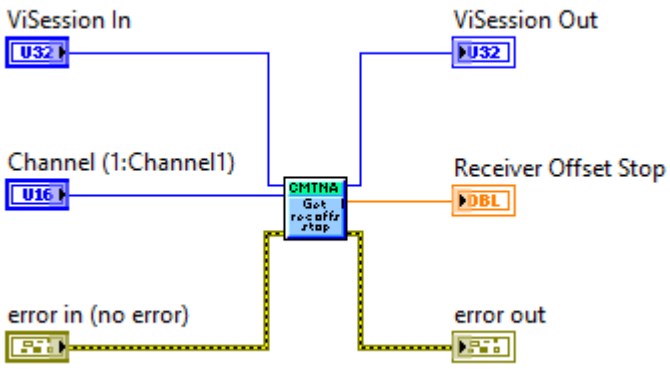
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Frequency Receiver Offset Stop

Description

Gets the frequency sweep stop of the receivers when the frequency offset feature is ON and offset type is "SRCRcv". The value is expressed in hertz (Hz).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Receiver Offset Stop

The frequency sweep stop of the receivers.



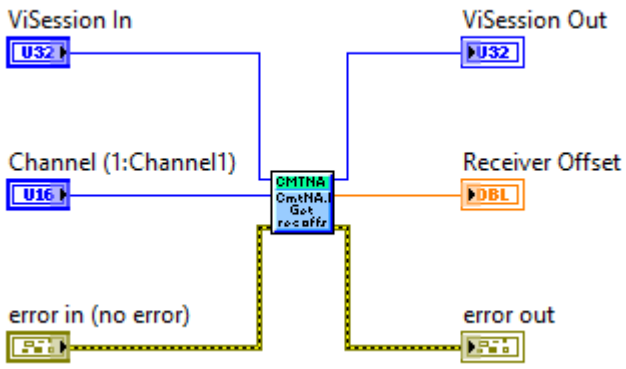
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Frequency Receiver Offset

Description

Gets the basic frequency range offset to get the receiver frequency when the frequency offset feature is ON and offset type is "SRCRcv". The value is expressed in hertz (Hz).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Receiver Offset

The basic frequency range offset to get the receiver frequency.



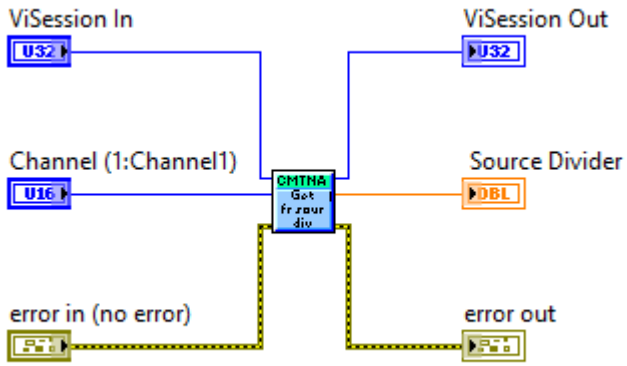
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Frequency Source Divider

Description

Gets the basic frequency range divisor to get the source frequency when the frequency offset feature is ON and offset type is "SRCRcv".



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Source Divider

The basic frequency range divisor to get the source frequency.



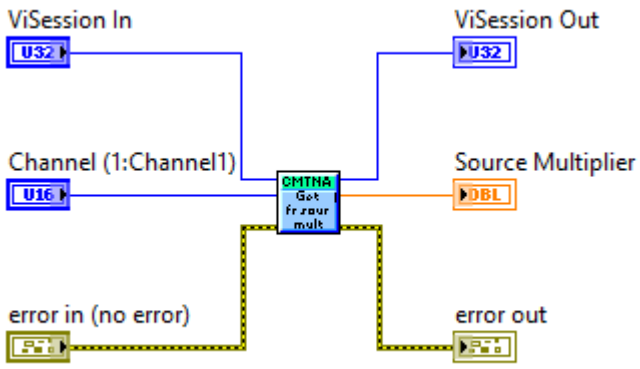
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Frequency Source Multiplier

Description

Gets the basic frequency range multiplier to get the source frequency when the frequency offset feature is ON and offset type is "SRCRcv".



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Source Multiplier

The basic frequency range multiplier to get the source frequency.



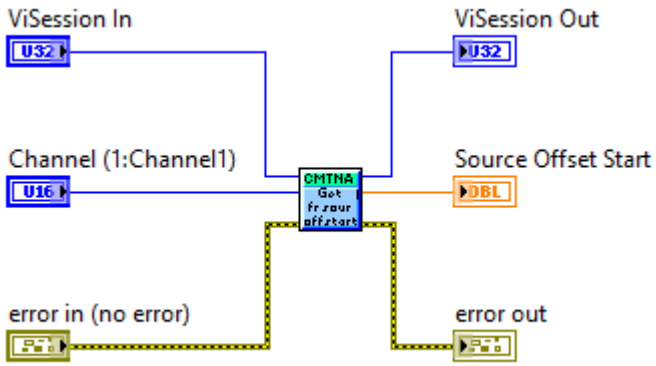
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Frequency Source Offset Start

Description

Gets the frequency sweep start of the source when the frequency offset feature is ON and offset type is "SRCRcv". The value is expressed in hertz (Hz).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Source Offset Start

The frequency sweep start of the source.



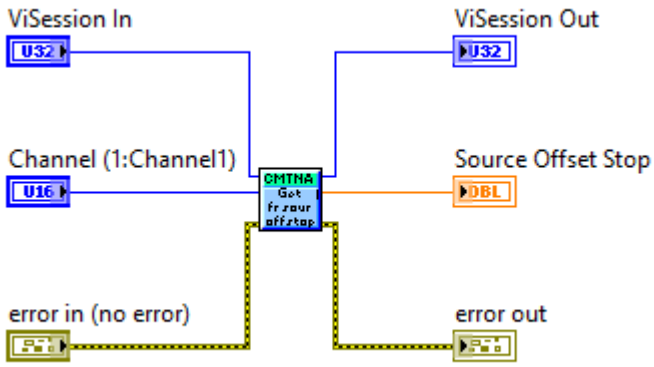
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Frequency Source Offset Stop

Description

Gets the frequency sweep stop of the source when the frequency offset feature is ON and offset type is "SRCRcv". The value is expressed in hertz (Hz).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Source Offset Stop

The frequency sweep stop of the receivers.



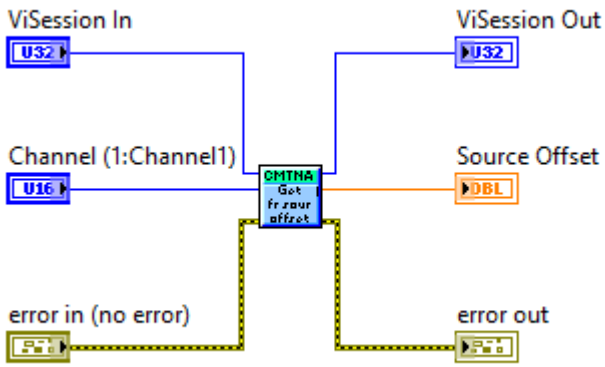
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Frequency Source Offset

Description

Gets the basic frequency range offset to get the source frequency when the frequency offset feature is ON and offset type is "SRCRcv". The value is expressed in hertz (Hz).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Source Offset

The basic frequency range offset to get the source frequency.



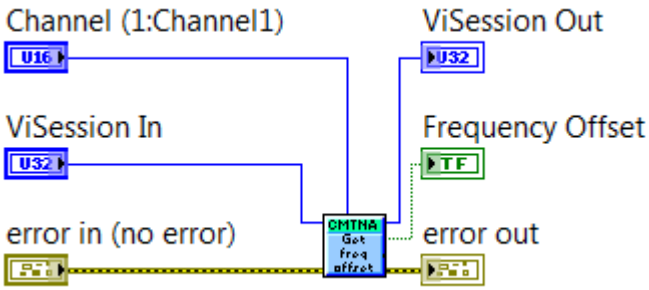
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Frequency Offset

Description

Turns ON/OFF the frequency offset feature.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Frequency offset

The state of the frequency offset feature.

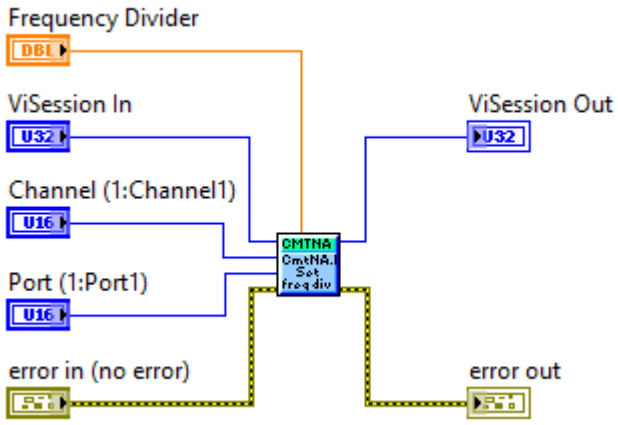
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Frequency Divider

Description

Sets the basic frequency range divisor of current port when the frequency offset feature is ON and offset type is "PORT".



Frequency Divider

The basic frequency range divisor of the current port.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



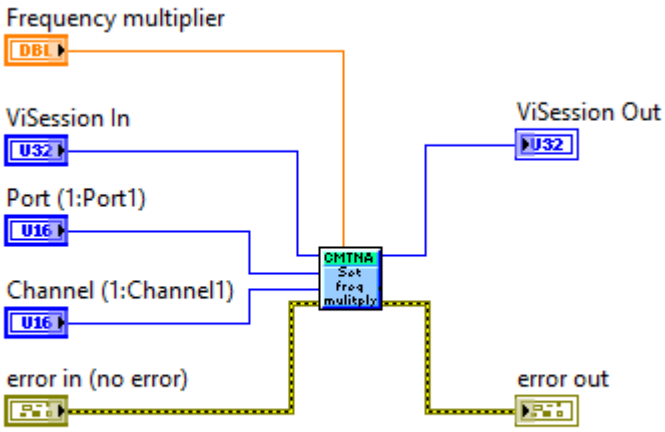
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Frequency Multiplier

Description

Sets the basic frequency range multiplier of port when the frequency offset feature is ON and offset type is "PORT".



Frequency Multiplier

The basic frequency range multiplier of the port.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



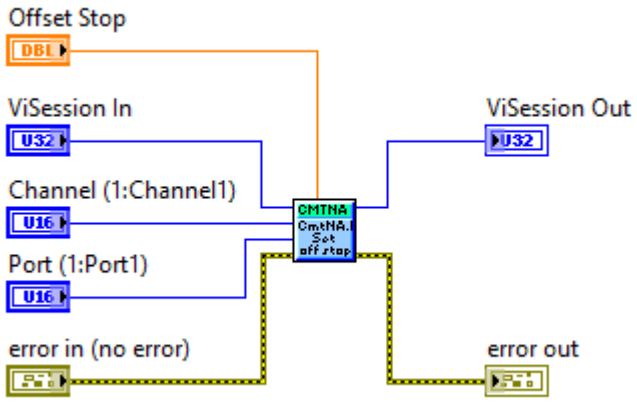
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Frequency Offset Stop

Description

Sets the frequency sweep stop of current port when the frequency offset feature is ON and offset type is "PORT". The value is expressed in hertz (Hz).



Offset Stop

The frequency sweep stop of the current port.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



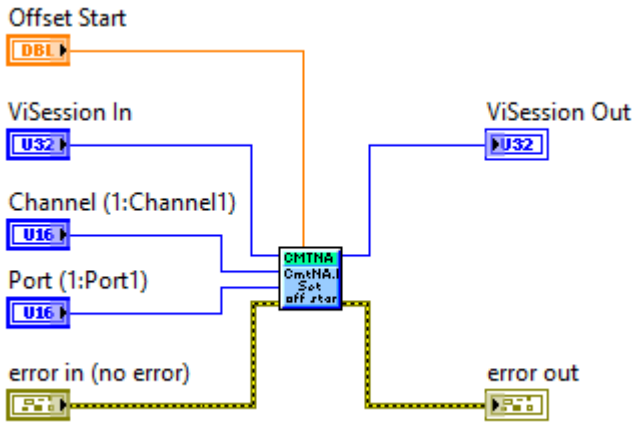
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Frequency Offset Start

Description

Sets the frequency sweep start of current port when the frequency offset feature is ON and offset type is "PORT". The value is expressed in hertz (Hz).



Offset Start

The frequency sweep start of the current port.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



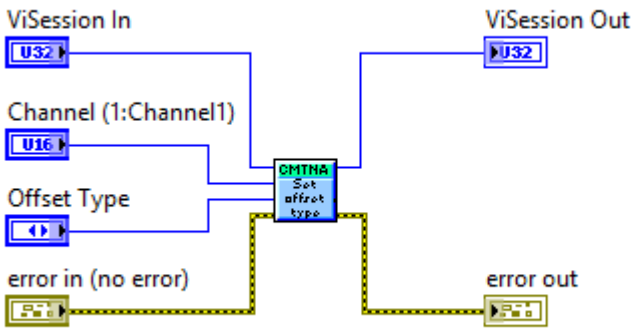
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Frequency Offset Type

Description

Sets the frequency offset type when the frequency offset feature is ON. There are two frequency offset types: "Port1/Port2" and "Source/Receivers". First offset type offsets ports against each other. Second offset type offsets source against receivers.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Offset Type

The frequency offset type.

Valid list of values:

0: Port1/Port2 offset

1: Source/Receivers offset

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



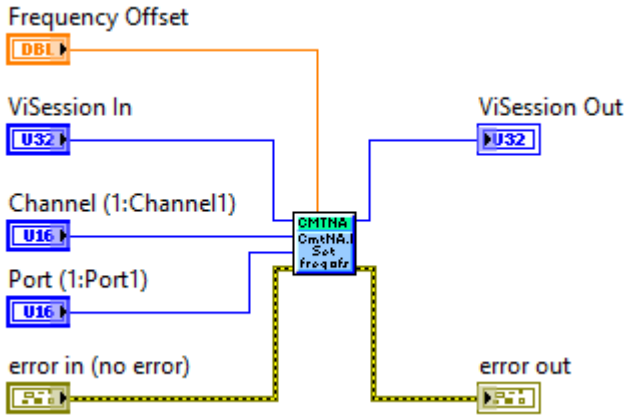
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Frequency Offset

Description

Sets the basic frequency range offset of current port when the frequency offset feature is ON and offset type is "PORT". The value is expressed in hertz (Hz).



Frequency offset

The basic frequency range offset of the current port.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



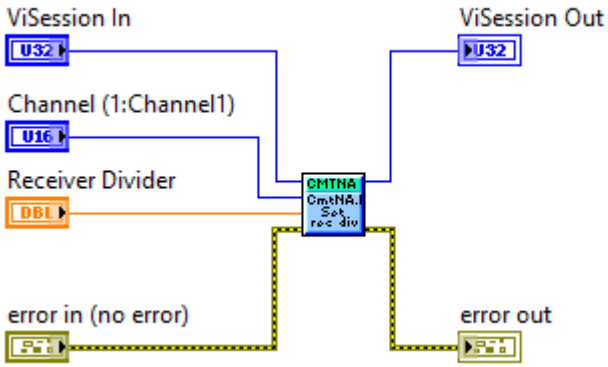
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Frequency Receiver Divider

Description

Sets the basic frequency range divisor to get the receiver frequency when the frequency offset feature is ON and offset type is "SRCRcv".



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Receiver Divider

The basic frequency range divisor to get the receiver frequency.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



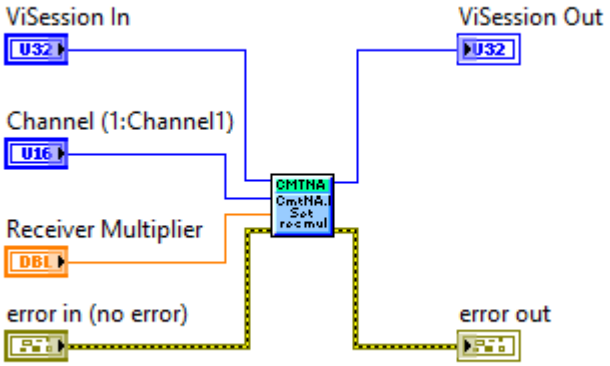
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Frequency Receiver Multiplier

Description

Sets the basic frequency range multiplier to get the receiver frequency when the frequency offset feature is ON and offset type is "SRCRcv".



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Receiver Multiplier

The basic frequency range multiplier to get the receiver frequency.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



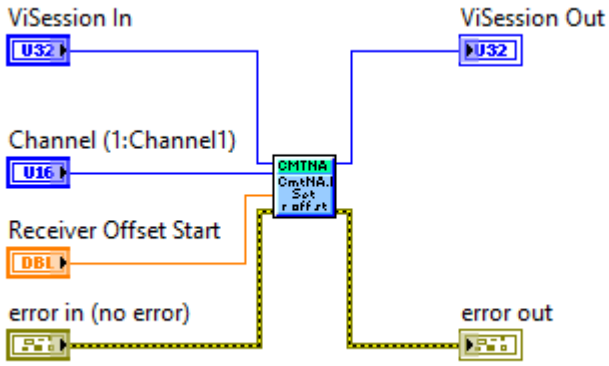
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Frequency Receiver Offset Start

Description

Sets the frequency sweep start of the receivers when the frequency offset feature is ON and offset type is "SRCRcv". The value is expressed in hertz (Hz).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Receiver Offset Start

The frequency sweep start of the receivers.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



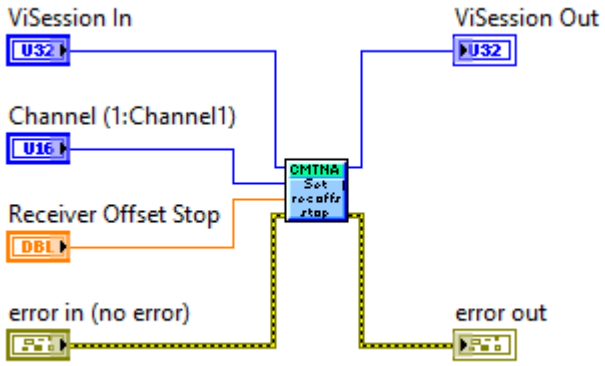
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Frequency Receiver Offset Stop

Description

Sets the frequency sweep stop of the receivers when the frequency offset feature is ON and offset type is "SRCRcv". The value is expressed in hertz (Hz).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Receiver Offset Stop

The frequency sweep stop of the receivers.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



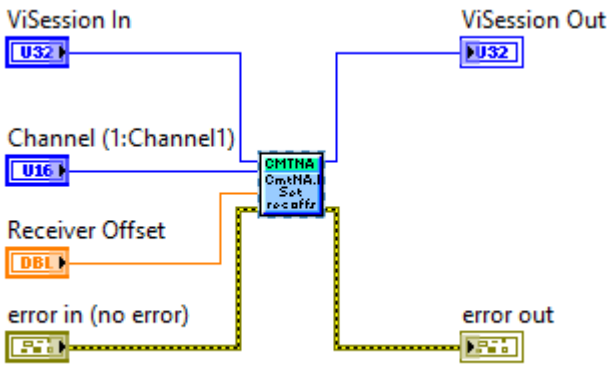
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Frequency Receiver Offset

Description

Sets the basic frequency range offset to get the receiver frequency when the frequency offset feature is ON and offset type is "SRCRcv". The value is expressed in hertz (Hz).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Receiver Offset

The basic frequency range offset to get the receiver frequency.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



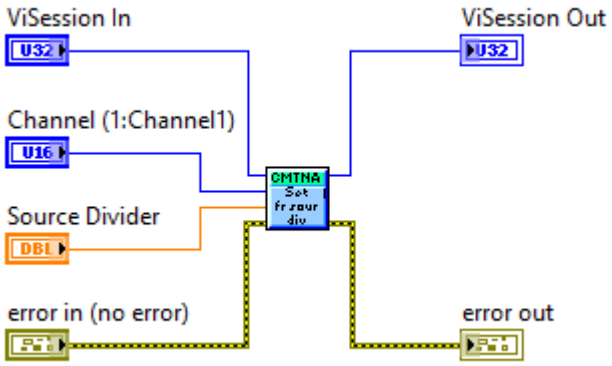
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Frequency Source Divider

Description

Sets the basic frequency range divisor to get the source frequency when the frequency offset feature is ON and offset type is "SRCRcv".



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Source Divider

The basic frequency range divisor to get the source frequency.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



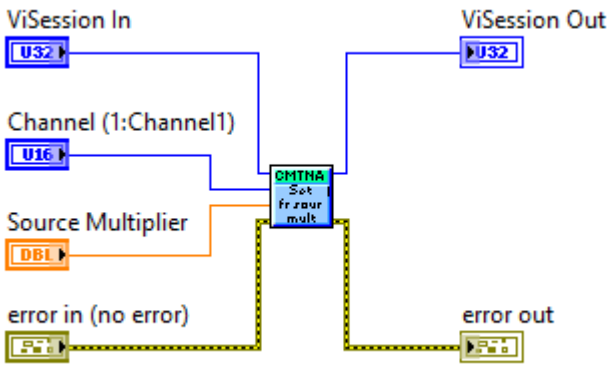
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Frequency Source Multiplier

Description

Sets the basic frequency range multiplier to get the source frequency when the frequency offset feature is ON and offset type is "SRCRcv".



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Source Multiplier

The basic frequency range multiplier to get the source frequency.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



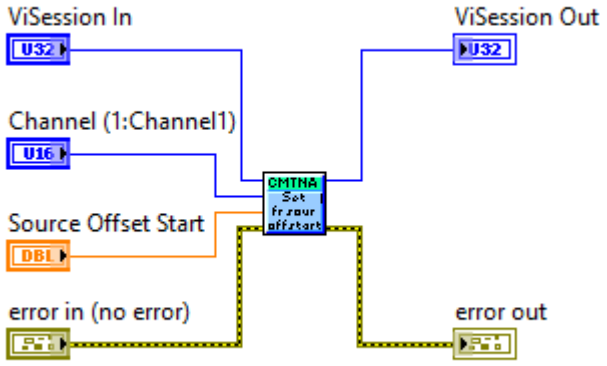
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Frequency Source Offset Start

Description

Sets the frequency sweep start of the source when the frequency offset feature is ON and offset type is "SRCRcv". The value is expressed in hertz (Hz).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Source Offset Start

The frequency sweep start of the source.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



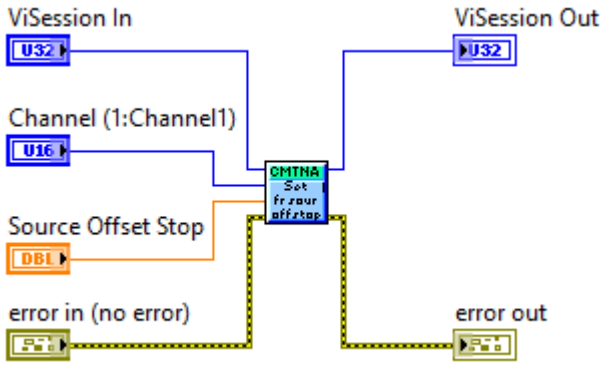
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Frequency Source Offset Stop

Description

Sets the frequency sweep stop of the source when the frequency offset feature is ON and offset type is "SRCRcv". The value is expressed in hertz (Hz).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Source Offset Stop

The frequency sweep stop of the source.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



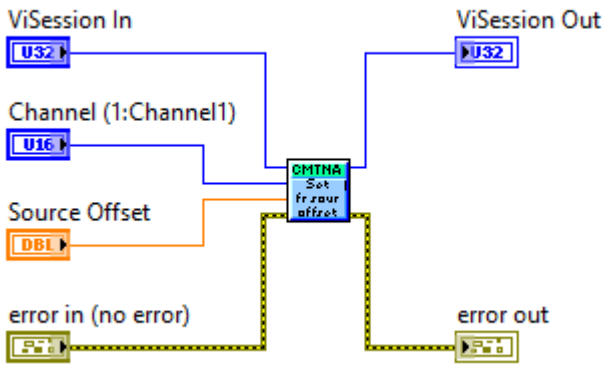
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Frequency Source Offset

Description

Sets the basic frequency range offset to get the source frequency when the frequency offset feature is ON and offset type is "SRCRcv". The value is expressed in hertz (Hz).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Source Offset

The basic frequency range offset to get the source frequency.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



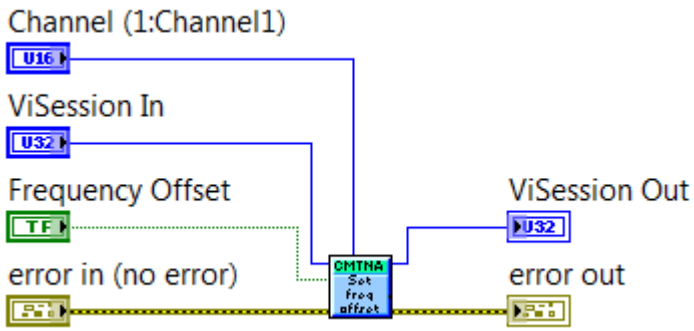
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Frequency Offset

Description

Turns ON/OFF the frequency offset feature.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Frequency offset

The state of the frequency offset feature.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

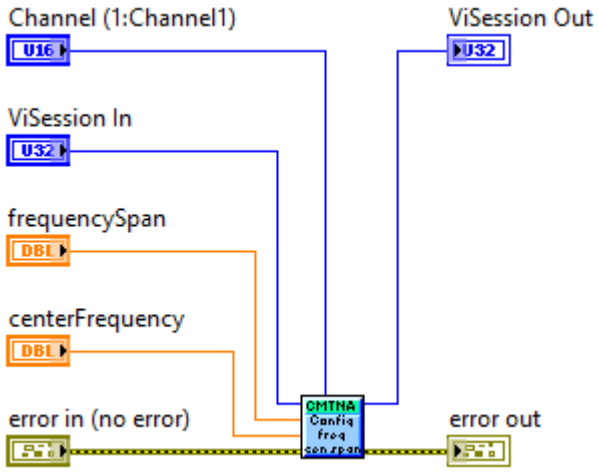
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Configure Frequency Center Span

Description

Sets the sweep range for the channel using center and span value of the frequencies.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

frequencySpan

Specifies the frequency span for the frequency sweep. This frequency span is centered at the value you select for **center Frequency**. The value is expressed in hertz (Hz).

centerFrequency

Specifies the center frequency in a frequency sweep. This value is expressed in hertz (Hz).

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



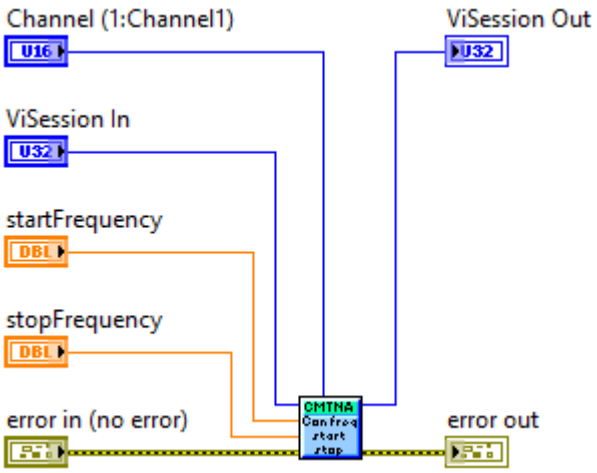
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Configure Frequency Start Stop

Description

Sets the sweep range for the channel using start and stop value of the frequencies.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

start Frequency

Specifies the lower limit of a span of frequencies. This value is expressed in hertz (Hz).

stop Frequency

Specifies the upper limit of a span of frequencies.The value is expressed in hertz (Hz).

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



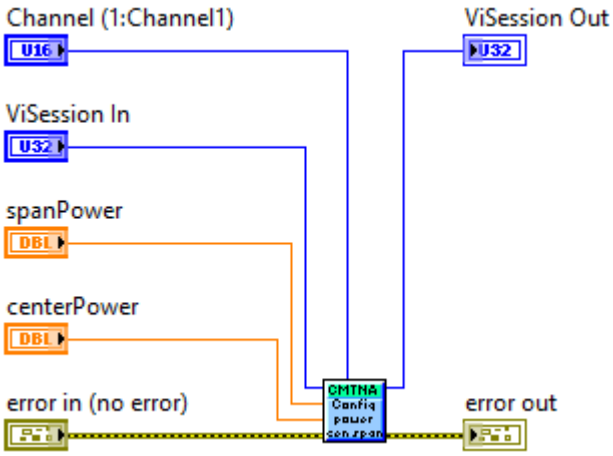
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Configure Power Center Span

Description

Sets the sweep range for the channel using center and span value of the output power.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

spanPower

The span value of the output power for power sweep.

center Power

The center value of the output power for power sweep.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



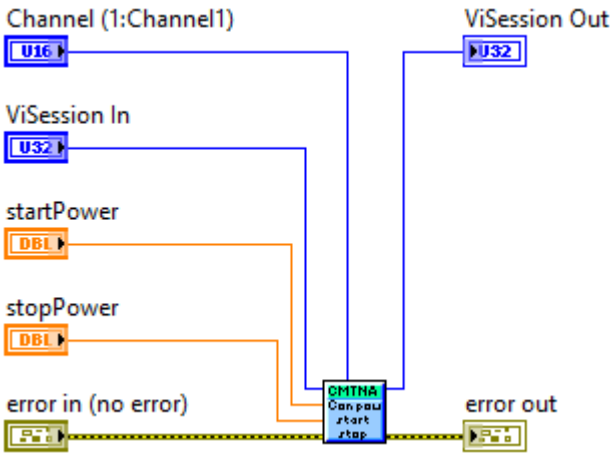
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Configure Power Start Stop

Description

Sets the sweep range for the channel using start and stop value of the output power.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

startPower

The start power for power sweep.

stopPower

The stop power for power sweep.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



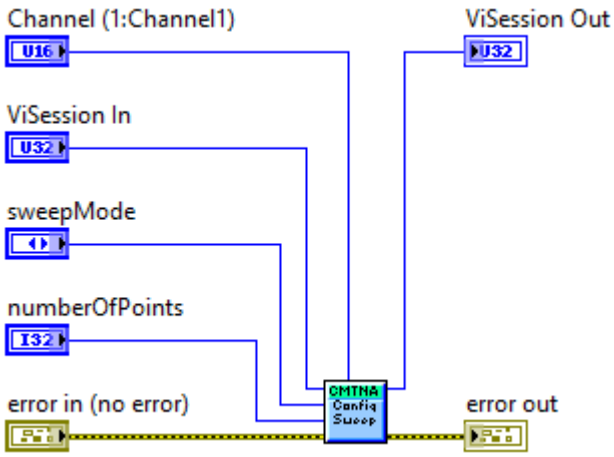
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Configure Sweep

Description

Configures the number of points for the sweep measurement and the sweep mode.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

sweepMode

The mode for the sweep measurement.

numberOfPoints

The number of points to acquire as part of the sweep measurement.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



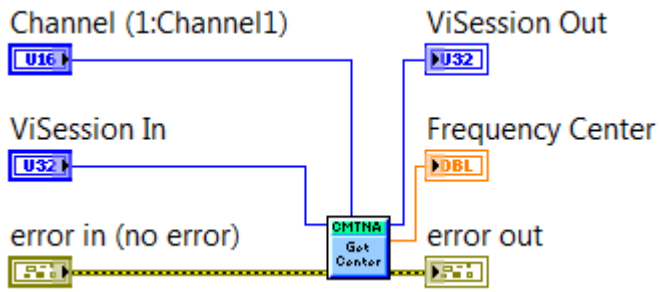
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Frequency Center

Description

Gets the center value of the frequency sweep range. The value is expressed in hertz (Hz).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Frequency Center

The center value of the frequency sweep range.

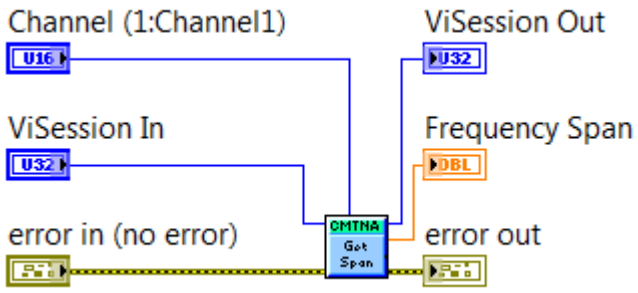
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Frequency Span

Description

Gets the span value of the frequency sweep range. The value is expressed in hertz (Hz).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Frequency Span

The span value of the frequency sweep range.

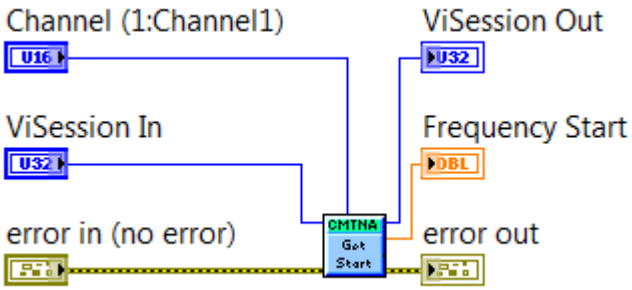
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Frequency Start

Description

Gets the start value of the frequency sweep range. The value is expressed in hertz (Hz).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Frequency Start

The start value of the frequency sweep range.

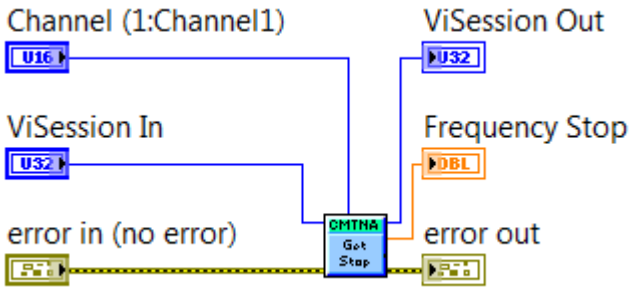
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Frequency Stop

Description

Gets the stop value of the frequency sweep range. The value is expressed in hertz (Hz).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Frequency Stop

The stop value of the frequency sweep range.

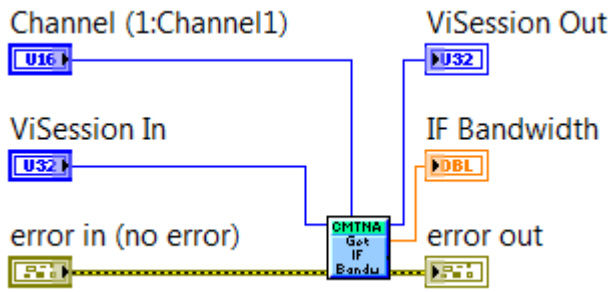
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus IF Bandwidth

Description

Sets the bandwidth of the digital IF filter to be used in the measurement. IF Bandwidth in Hz. The list of valid IF Bandwidths is different depending on the analyzer model. If an invalid number is specified, the analyzer will round up to the closest valid number. The value is expressed in hertz (Hz).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

IF Bandwidth

The IF bandwidth of the digital IF filter.



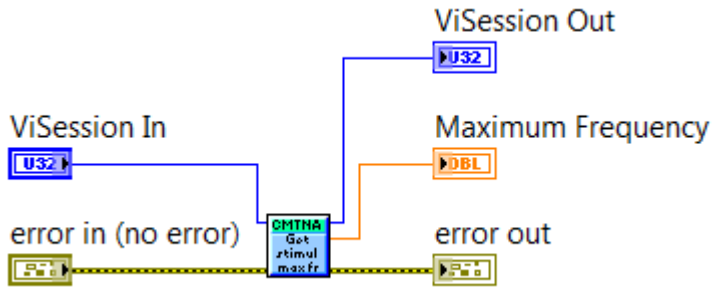
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Max Frequency

Description

Gets the upper limit of the measurement frequency. The value is expressed in hertz (Hz).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Maximum Frequency

The upper limit of the measurement frequency.

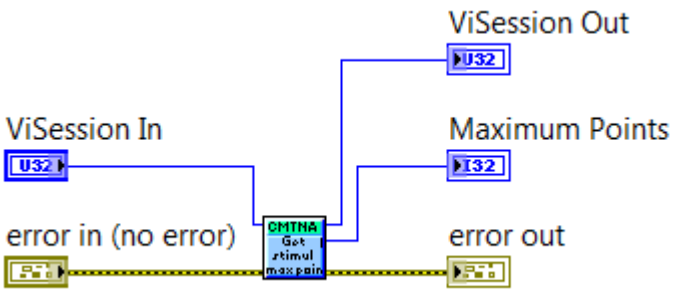
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Max Points

Description

Gets the maximum number of the measurement points.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Maximum Points

The maximum number of the measurement points.

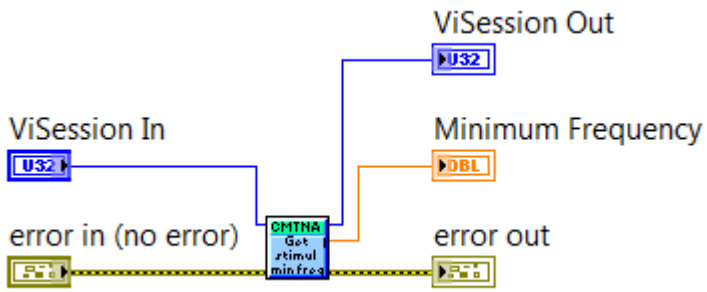
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Min Frequency

Description

Gets the lower frequency of the measurement frequency. The value is expressed in hertz (Hz).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Minimum Frequency

The lower limit of the measurement frequency.

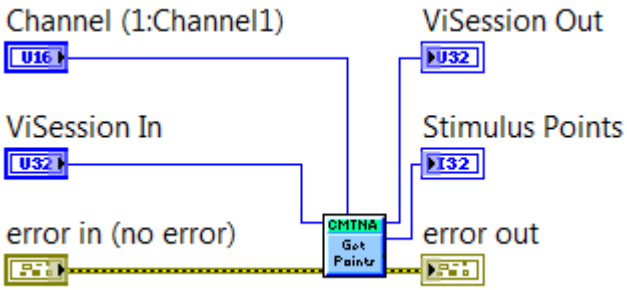
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Points

Description

Gets the number of sweep points.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Stimulus Points

The number of sweep points.

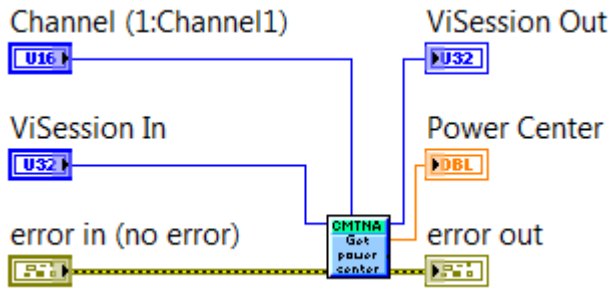
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Power Center

Description

Gets the center value of the power sweep type. The value is expressed in decibels above 1 milliwatt (dBm).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Power Center

The the center value of the power sweep type.

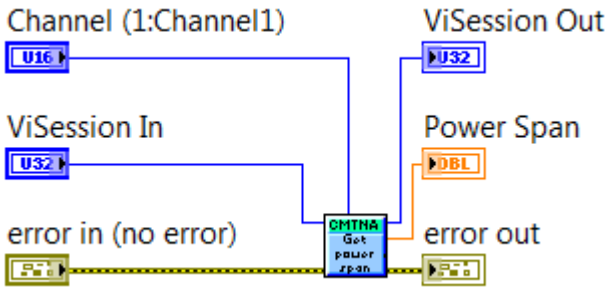
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Power Span

Description

Gets the power span when the power sweep type is active. The value is expressed in decibels above 1 milliwatt (dBm).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Power Span

The power span when the power sweep type is active.

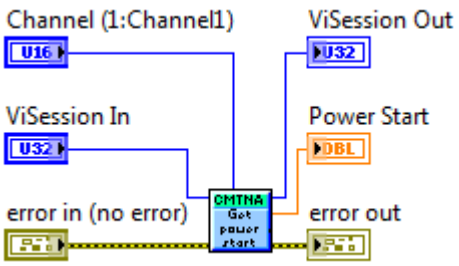
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Power Start

Description

Gets the power sweep start value when the power sweep type is active. The value is expressed in decibels above 1 milliwatt (dBm).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Power Start

The power sweep start value when the power sweep type is active.

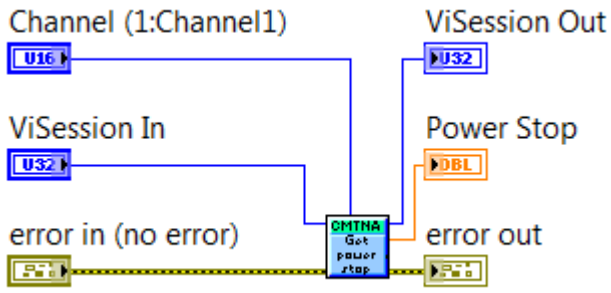
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Power Stop

Description

Gets the power sweep stop value when the power sweep type is active. The value is expressed in decibels above 1 milliwatt (dBm).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Power Stop

The power sweep stop value when the power sweep type is active.

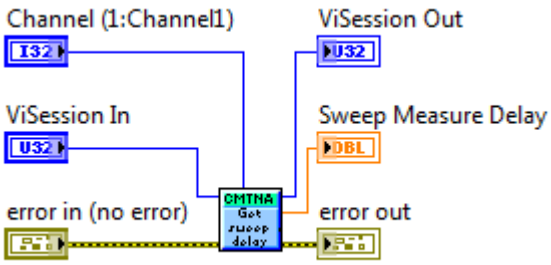
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Sweep Measure Delay

Description

Gets the delay before measurement in each measurement point. The value is expressed in seconds (sec).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Sweep Measure Delay

The delay before measurement in each measurement point.

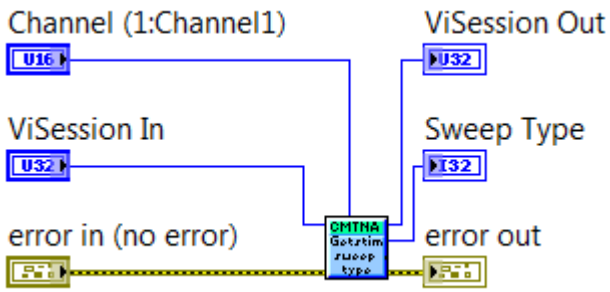
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Stimulus Sweep Type

Description

Gets the sweep type of channel.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Sweep Type

The sweep type of channel.

Valid list of return values:

0: Linear frequency sweep

1: Logarithmic frequency sweep

2: Segment frequency sweep

3: Power sweep



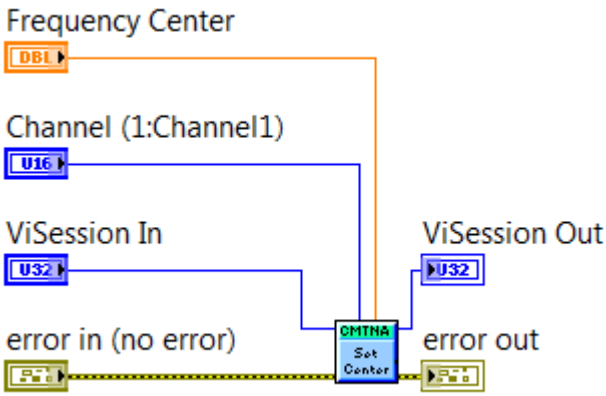
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Frequency Center

Description

Sets the center value of the frequency sweep range. The value is expressed in hertz (Hz).



Frequency Center

The center value of the frequency sweep range.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



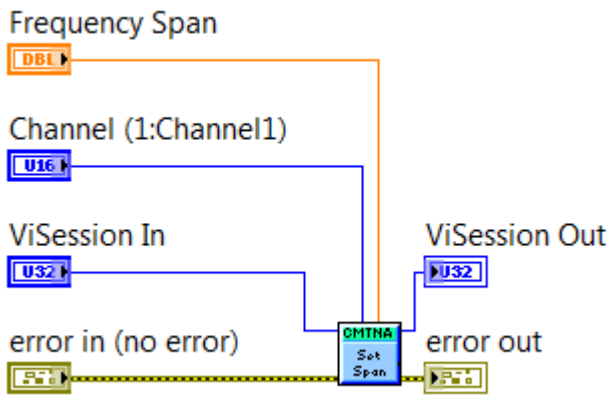
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Frequency Span

Description

Sets the span value of the frequency sweep range. The value is expressed in hertz (Hz).



Frequency Span

The span value of the frequency sweep range.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



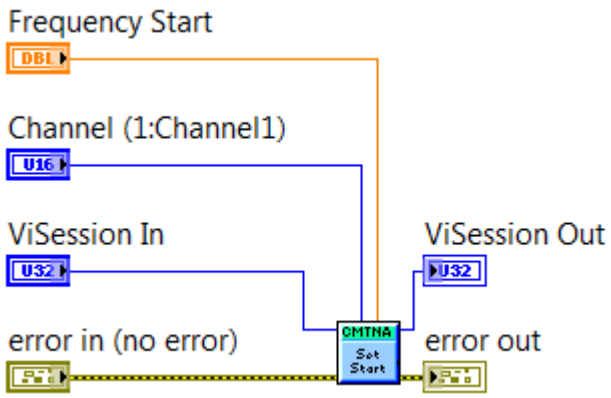
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Frequency Start

Description

Sets the start value of the frequency sweep range. The value is expressed in hertz (Hz).



Frequency Start

The start value of the frequency sweep range.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



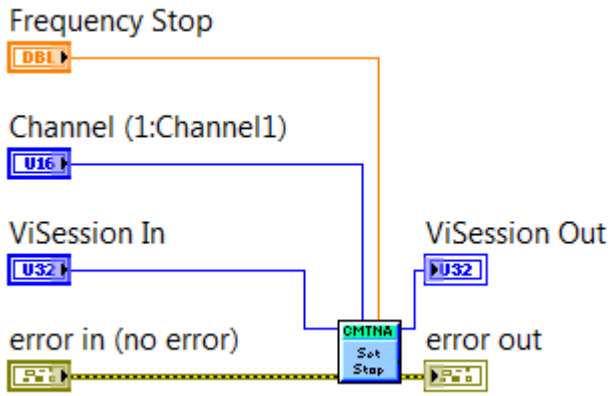
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Frequency Stop

Description

Sets the stop value of the frequency sweep range. The value is expressed in hertz (Hz).



Frequency Stop

The stop value of the frequency sweep range.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

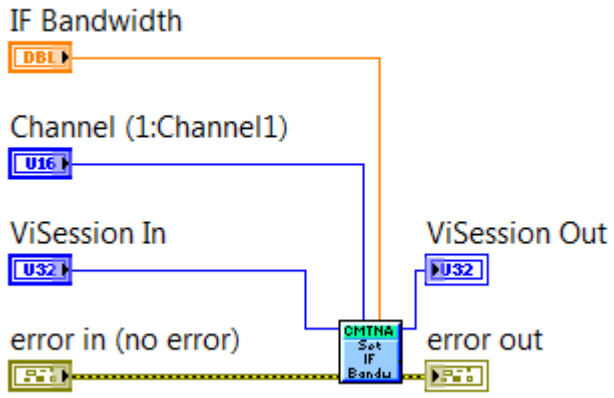
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus IF Bandwidth

Description

Sets the bandwidth of the digital IF filter to be used in the measurement. IF Bandwidth in Hz. The list of valid IF Bandwidths is different depending on the analyzer model. If an invalid number is specified, the analyzer will round up to the closest valid number. The value is expressed in hertz (Hz).



IF Bandwidth

The IF bandwidth of the digital IF filter.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



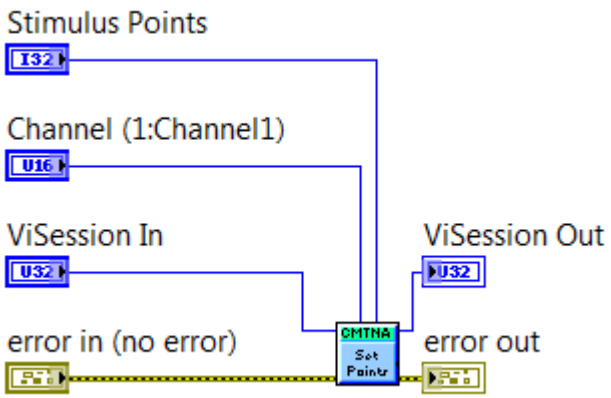
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Points

Description

Sets the number of sweep points.



Stimulus Points

The number of sweep points.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

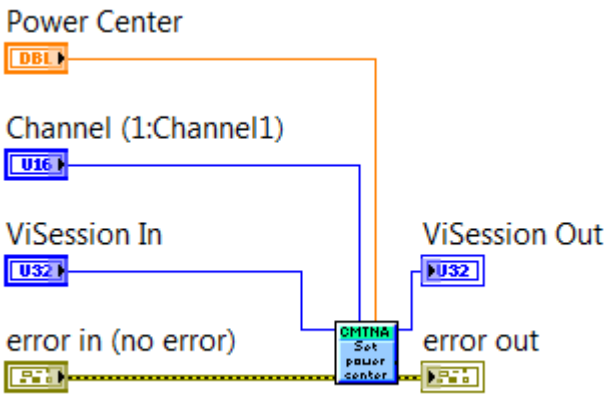
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Power Center

Description

Sets the center value of the power sweep type. The value is expressed in decibels above 1 milliwatt (dBm).



Power Center

The power span when the power sweep type is active.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



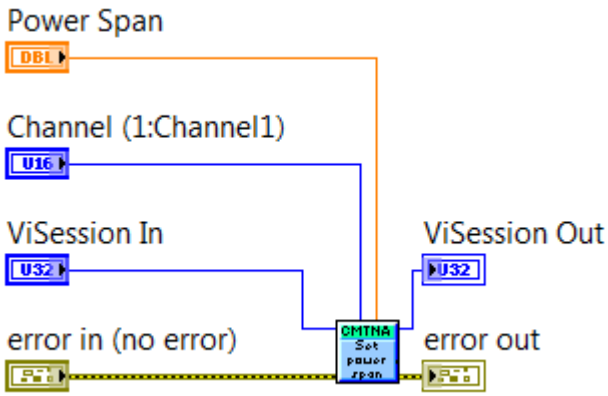
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Power Span

Description

Sets the power span when the power sweep type is active. The value is expressed in decibels above 1 milliwatt (dBm).



Power Span

The power span when the power sweep type is active.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

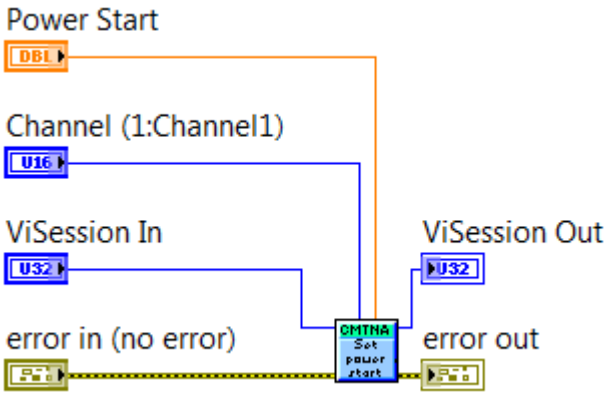
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Power Start

Description

Gets the power sweep start value when the power sweep type is active. The value is expressed in decibels above 1 milliwatt (dBm).



Power Start

The power sweep start when the power sweep type is active.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



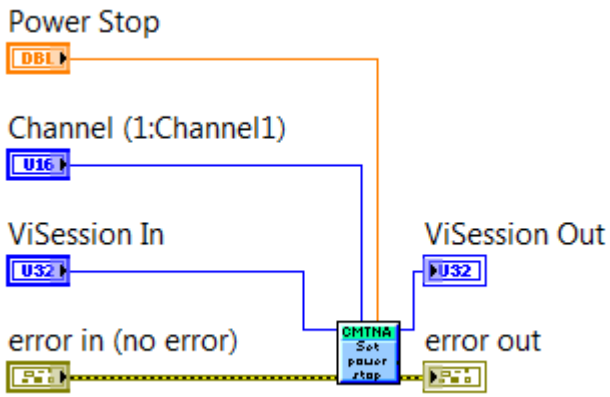
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Power Stop

Description

Gets the power sweep stop value when the power sweep type is active. The value is expressed in decibels above 1 milliwatt (dBm).



Power Stop

The power sweep stop when the power sweep type is active.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



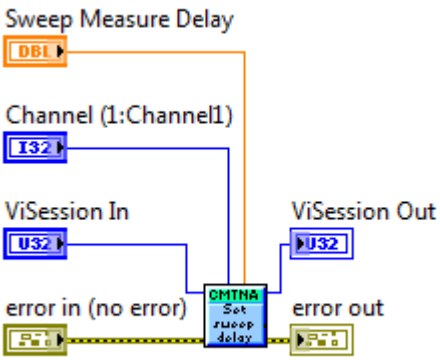
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Sweep Measure Delay

Description

Sets the delay before measurement in each measurement point. The value is expressed in seconds (sec).



Sweep Measure Delay

The delay before measurement in each measurement point.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

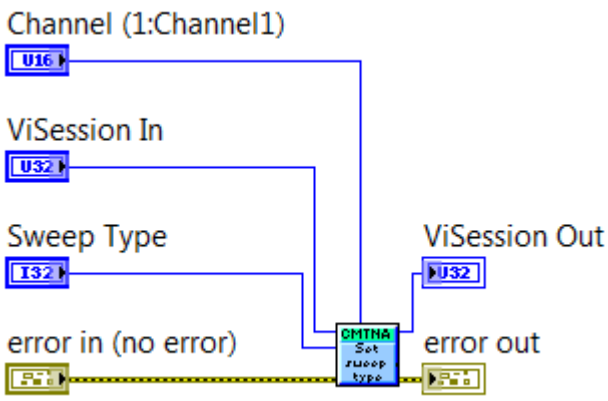
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Stimulus Sweep Type

Description

Sets the sweep type of channel.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Sweep Type

The sweep type of channel.

Valid list of values:

0: Linear frequency sweep

1: Logarithmic frequency sweep

2: Segment frequency sweep

3 Power sweep



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

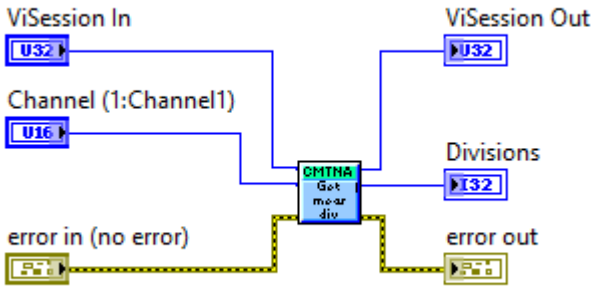
Measurement

Scale

Get Measurement Divisions

Description

Gets the number of the vertical scale divisions. For the rectangular format only.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Divisions

The number of the vertical scale divisions.



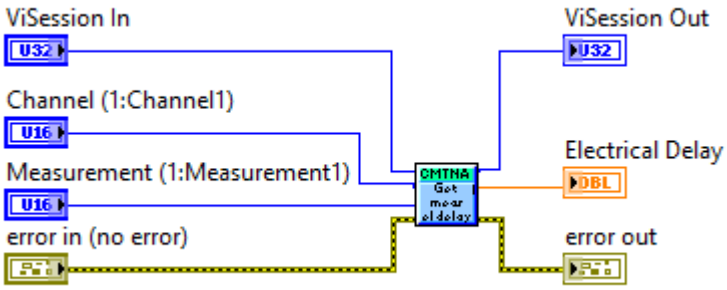
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Measurement Electrical Delay

Description

Gets the value of the electrical delay. The value is expressed in seconds (sec).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Electrical Delay

The value of the electrical delay



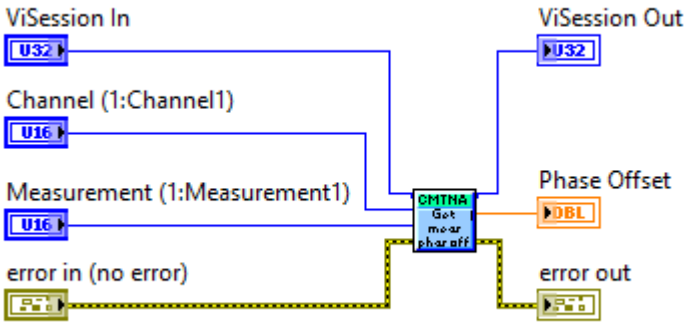
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Measurement Phase Offset

Description

Gets the value of the phase offset.The value is expressed in seconds degrees (°).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Phase Offset

The value of the phase offset.



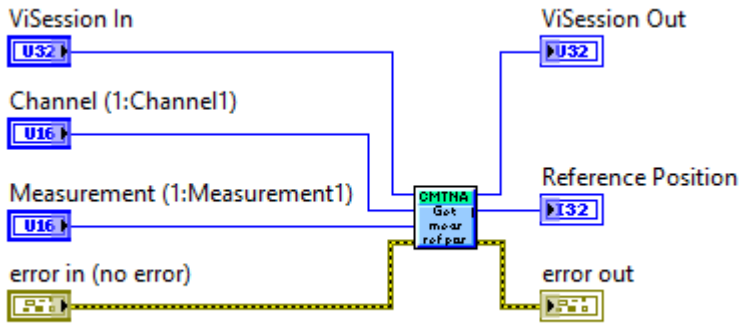
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Measurement Ref Position

Description

Gets the position of the reference line. For the rectangular format only.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Reference Position

The position of the reference line.



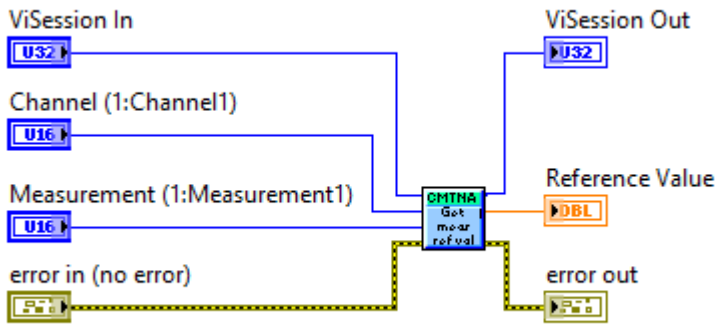
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Measurement Ref Value

Description

Gets the value of the reference line (response value on the reference line). For the rectangular format only. The value is depending on the format.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Reference Value

The value of the reference line.



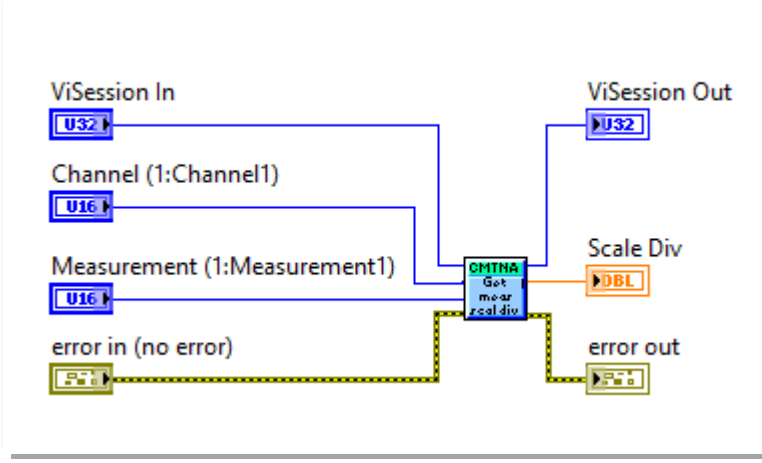
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Measurement Scale Div

Description

Gets the trace scale. Sets the scale per division, when the data format is the rectangular format. Sets the full scale value, when the data format is the Smith chart format or the polar format. The value is depending on the format.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Scale Div

The trace scale.



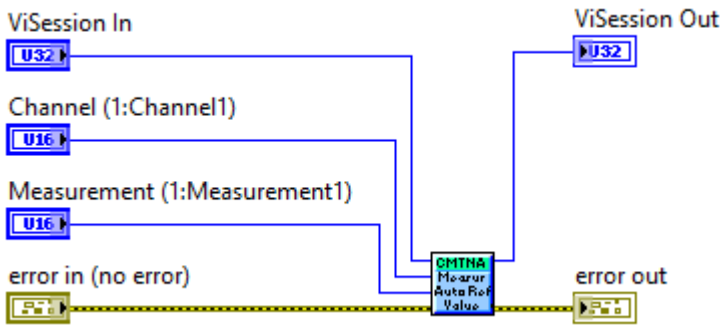
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Measurement Auto Ref Value

Description

Executes the auto reference function for the trace. The function automatically sets the RLEVel value.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

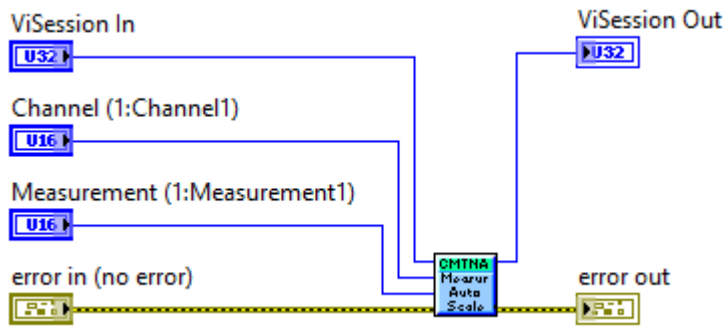
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Measurement Auto Scale

Description

Executes the auto scale function for the trace.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

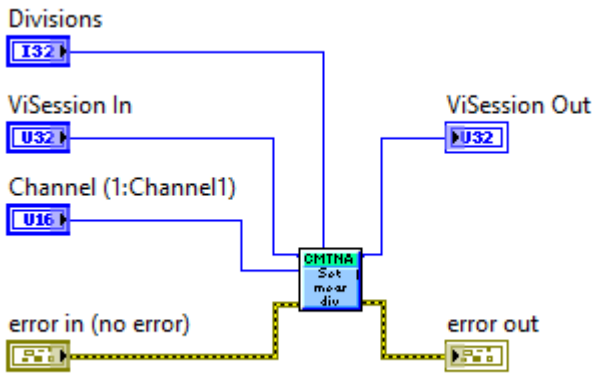
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Measurement Divisions

Description

Sets the number of the vertical scale divisions. For the rectangular format only.



Divisions

The number of the vertical scale divisions.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



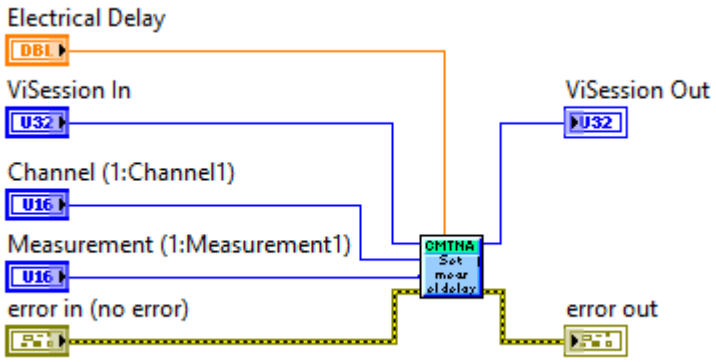
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Measurement Electrical Delay

Description

Sets the value of the electrical delay. The value is expressed in seconds (sec).



Electrical Delay

The value of the electrical delay.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



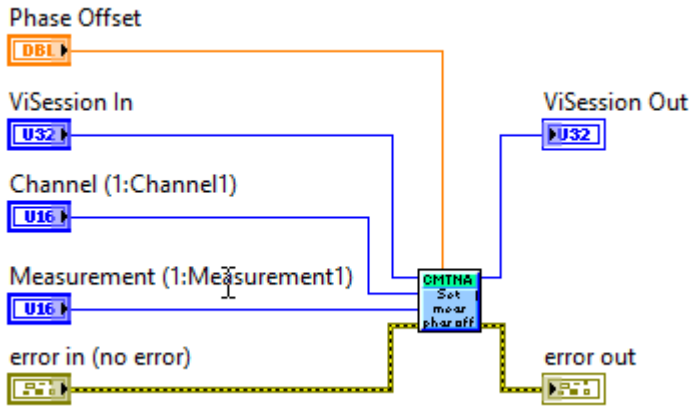
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Measurement Phase Offset

Description

Sets the value of the phase offset.The value is expressed in seconds degrees (°).



Phase Offset

The value of the phase offset.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



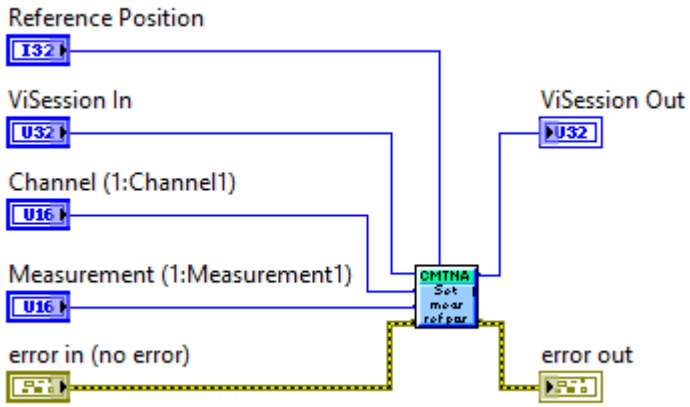
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Measurement Ref Position

Description

Sets the position of the reference line. For the rectangular format only.



Reference Position

The position of the reference line.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



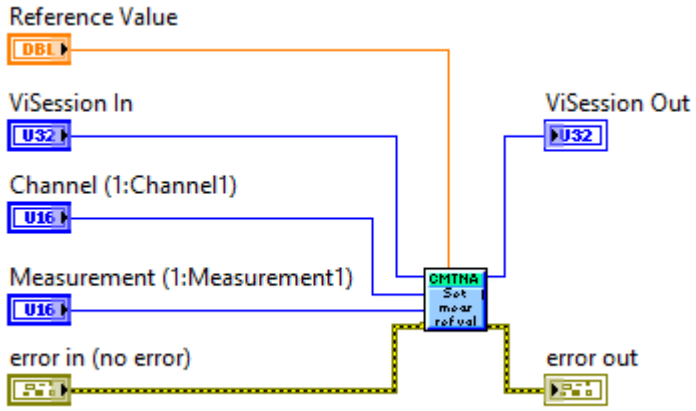
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Measurement Ref Value

Description

Sets the value of the reference line (response value on the reference line). For the rectangular format only. The value is depending on the format.



Reference Value

The value of the reference line.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



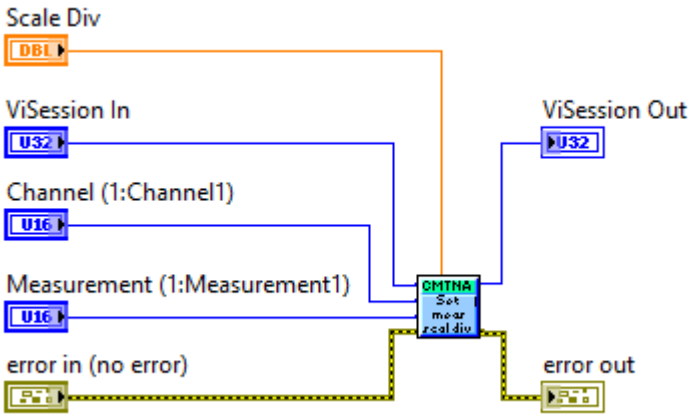
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Measurement Scale Div

Description

Sets the trace scale. Sets the scale per division, when the data format is the rectangular format. Sets the full scale value, when the data format is the Smith chart format or the polar format. The value is depending on the format.



Scale Div

The trace scale.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

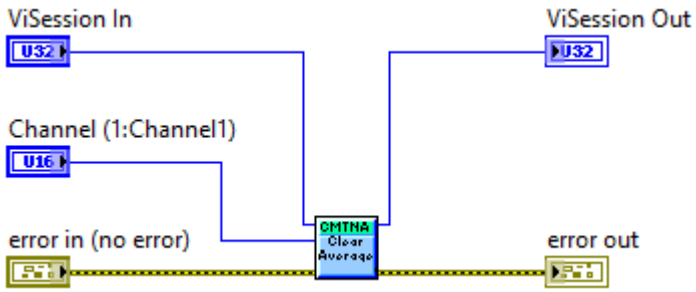
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Average

Clear Average

Description

Clears and restarts the averaging process, when the averaging function turned on.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Measurement Average Trigger

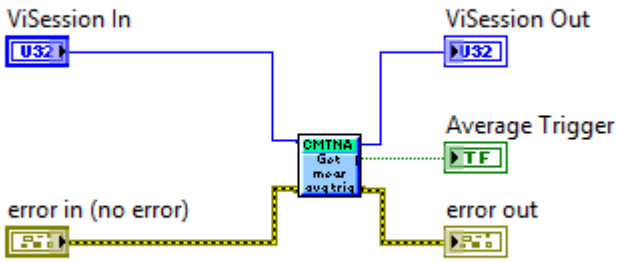
Description

Turns ON/OFF the averaging trigger function. The function executes a sweep the number of times specified by the averaging factor with a single trigger for the channels with the averaging enabled.

The averaging process begins again with each trigger.

NOTE

The point trigger function has priority against this command. When the point trigger is enabled the number of pulses equal to (number of points) x (averaging factor) is needed to complete the averaging.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Average Trigger

The state of the averaging trigger function.



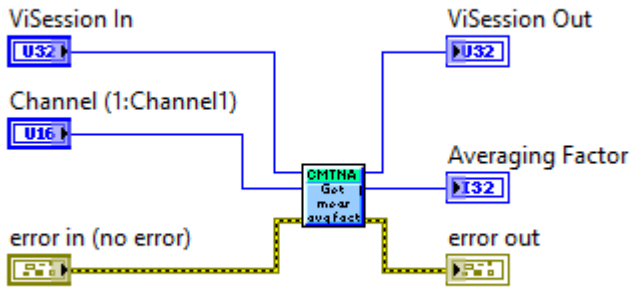
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Measurement Averaging Factor

Description

Gets the averaging factor, when the averaging function turned on.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Averaging Factor

The averaging factor.

error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

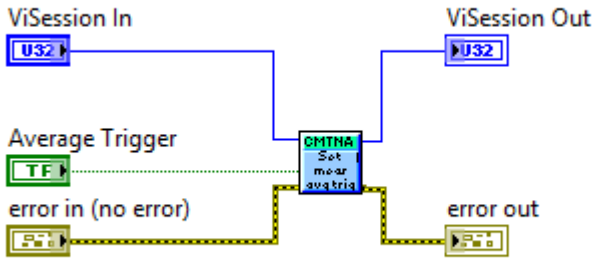
Get Measurement Averaging

Description

Turns ON/OFF the averaging trigger function. The function executes a sweep the number of times specified by the averaging factor with a single trigger for the channels with the averaging enabled.

The averaging process begins again with each trigger.

NOTE The point trigger function has priority against this command. When the point trigger is enabled the number of pulses equal to (number of points) x (averaging factor) is needed to complete the averaging.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Average Trigger

The state of the averaging trigger function.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



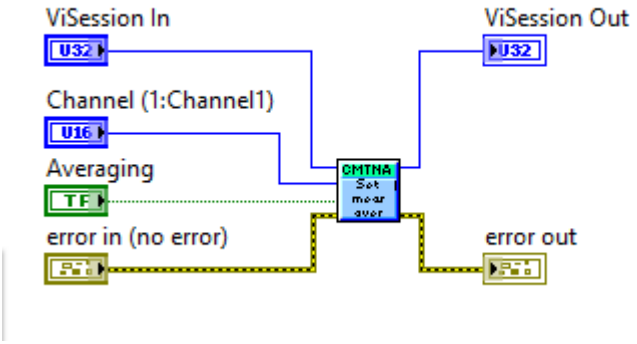
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Measurement Average Trigger

Description

Turns ON/OFF the measurement averaging function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Averaging

The state of the measurement averaging function.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

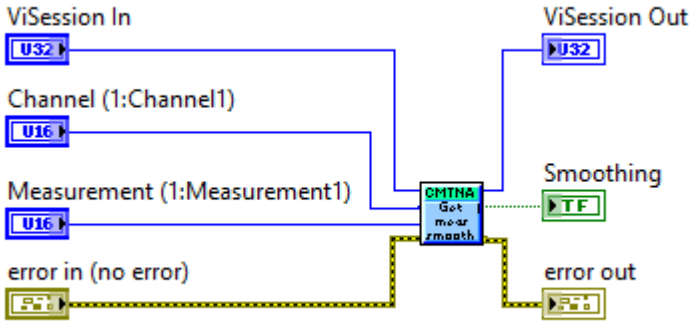
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Measurement Averaging Factor

Description

Turns ON/OFF the trace smoothing.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then the active measurement of the channel is used .

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Smoothing

The state of the trace smoothing.



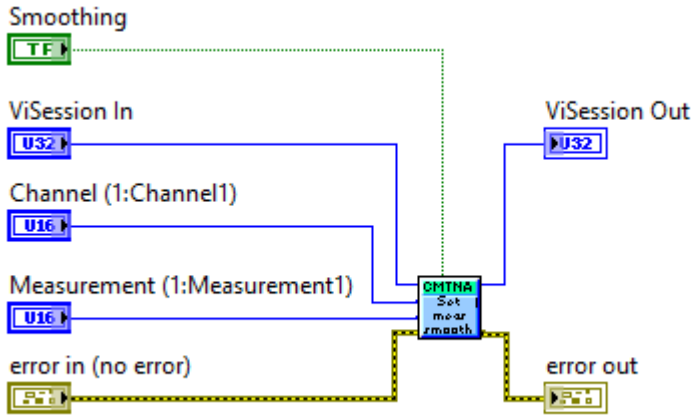
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Measurement Averaging

Description

Turns ON/OFF the trace smoothing.



Smoothing

The state of the trace smoothing.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then the active measurement of the channel is used .

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



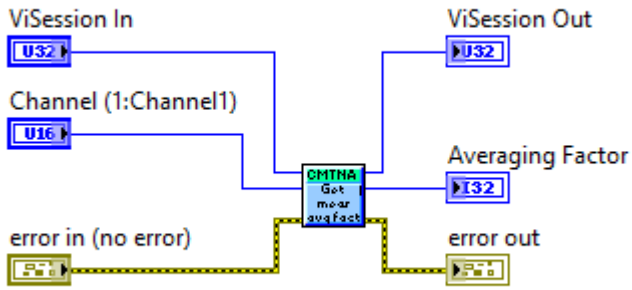
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Measurement Smoothing Aperture

Description

Gets the averaging factor, when the averaging function turned on.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Averaging Factor

The averaging factor.

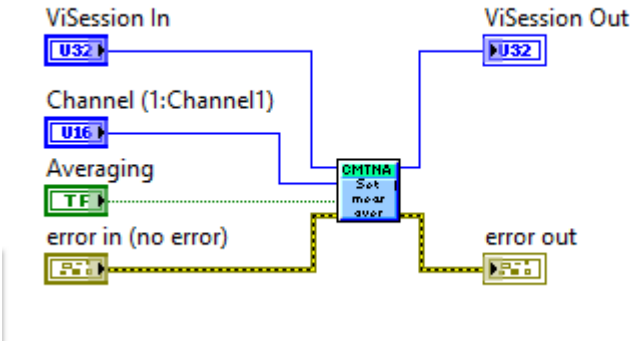
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Measurement Smoothing

Description

Turns ON/OFF the measurement averaging function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Averaging

The state of the measurement averaging function.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

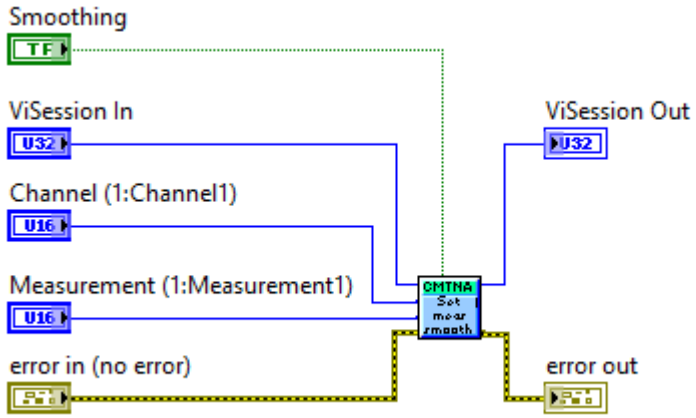
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Measurement Smoothing Aperture

Description

Turns ON/OFF the trace smoothing.



Smoothing

The state of the trace smoothing.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then the active measurement of the channel is used .

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



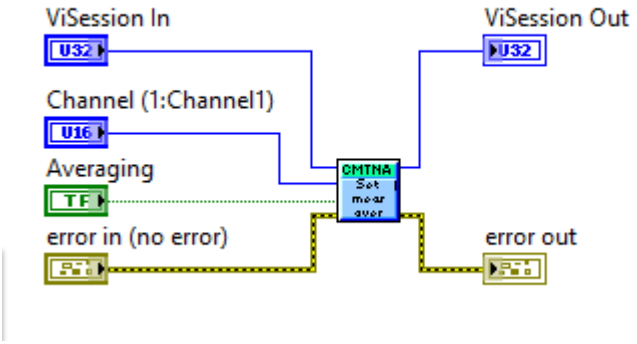
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Measurement Smoothing

Description

Turns ON/OFF the measurement averaging function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Averaging

The state of the measurement averaging function.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error out

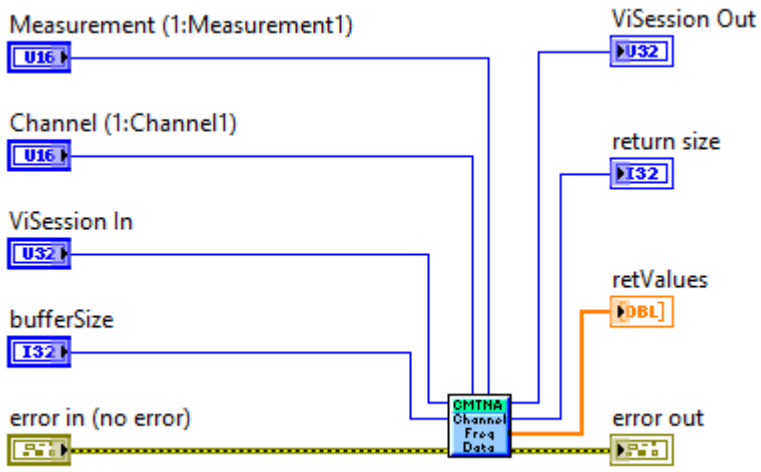
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Data

Channel Frequency Data

Description

The array size is N, where N is the number of measurement points.



Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then the active measurement of the channel is used.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

bufferSize

The size of the array to hold in the **retValues** parameter.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



return size

The actual number of elements filled by the query.



retValues

The array of the frequency value at the n–th measurement point.



error out

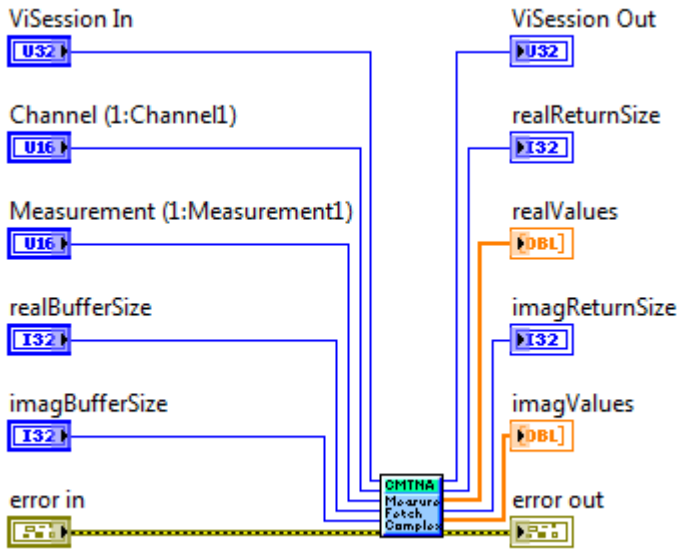
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Measurement Fetch Complex

Description

Returns the corrected data array.

The corrected data array is the data, whose processing is completed excluding the formatting as the last step. Such data represent S–parameter complex values.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then the active measurement of the channel is used .

realBufferSize

The size of the array to hold in the real Values parameter.



imagBufferSize

The size of the array to hold in the imag Values parameter.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



realReturnSize

The actual number of elements filled by the query.



realValues

The array of the real number in rectangular format, real part in polar and Smith chart formats.



imagReturnSize

The actual number of elements filled by the query.



imagValues

The array of 0 in rectangular format, imaginary part in polar and Smith chart formats.



error out

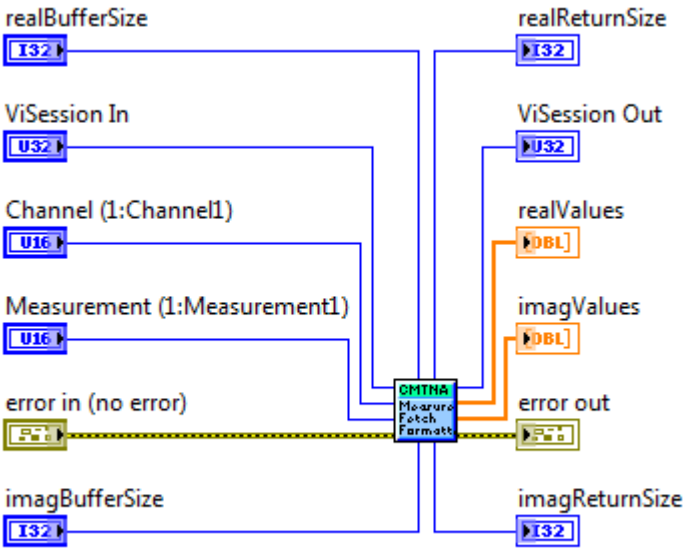
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Measurement Fetch Formatted

Description

Returns the formatted data array.

The formatted data array is the data, whose processing is completed including the formatting as the last step. Such data represent the data trace values as they are shown on the screen.



---

realBufferSize

The size of the array to hold in the **realValues** parameter.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then the active measurement of the channel is used.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



imagBufferSize

The size of the array to hold in the **imagValues** parameter.



realReturnSize

The actual number of elements filled by the query.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



realValues

The array of the real number in rectangular format, real part in polar and Smith chart formats.



imagValues

The array of 0 in rectangular format, imaginary part in polar and Smith chart formats.



error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.



imag ReturnSize

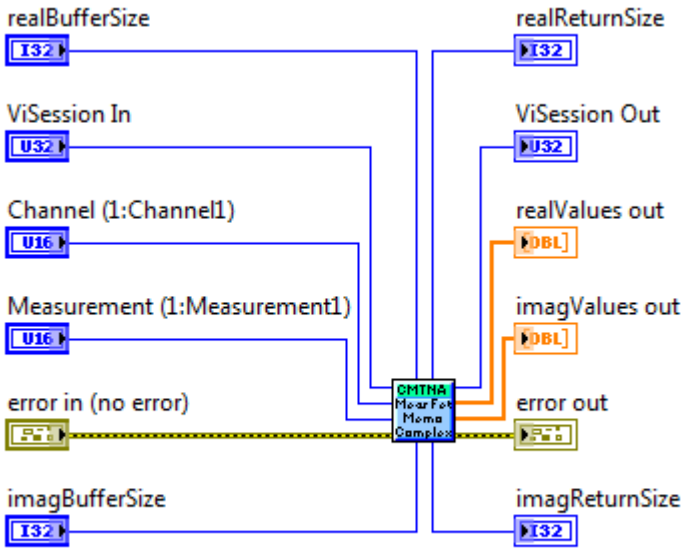
The actual number of elements filled by the query.

Measurement Fetch Memory Complex

Description

Returns the corrected data array.

The corrected data array is the data, whose processing is completed excluding the formatting as the last step. Such data represent S–parameter complex values.



---

realBufferSize

The size of the array to hold in the **realValues** parameter.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then the active measurement of the channel is used .



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



imagBufferSize

The size of the array to hold in the **imagValues** parameter.



realReturnSize

The actual number of elements filled by the query.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



realValues out

The array of the real number in rectangular format, real part in polar and Smith chart formats.



imagValues out

The array of 0 in rectangular format, imaginary part in polar and Smith chart formats.



error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.



imagReturnSize

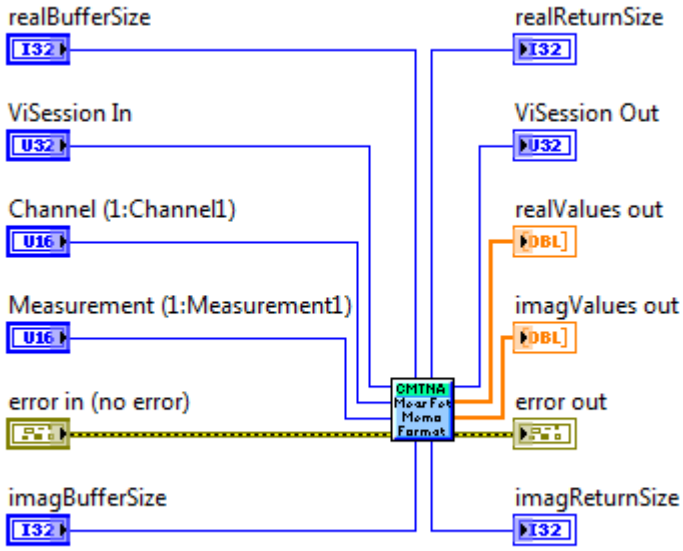
The actual number of elements filled by the query.

Measurement Fetch Memory Formatted

Description

Returns the formatted data array.

The formatted data array is the data, whose processing is completed including the formatting as the last step. Such data represent the data trace values as they are shown on the screen.



---

realBufferSize

The size of the array to hold in the **realValues** parameter.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then the active measurement of the channel is used .



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



imagBufferSize

The size of the array to hold in the **imagValues** parameter.



realReturnSize

The actual number of elements filled by the query.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



realValues out

The array of the real number in rectangular format, real part in polar and Smith chart formats.



imagValues out

The array of 0 in rectangular format, imaginary part in polar and Smith chart formats.



error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.



imagReturnSize

The actual number of elements filled by the query.

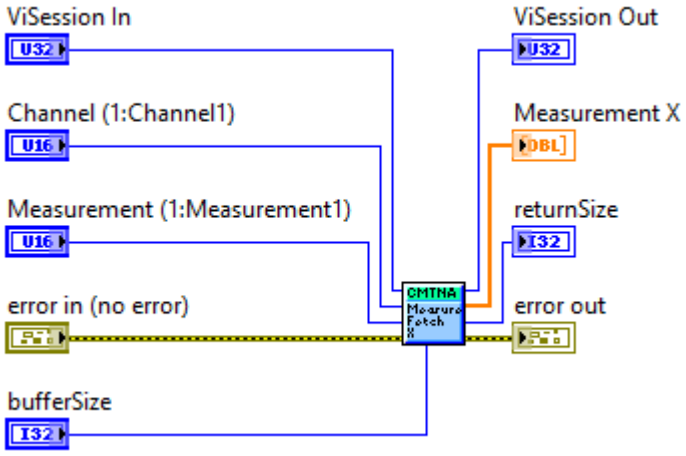
Measurement Fetch X

Description

Gets the X-axis values array.

The X-axis values array is the frequency, power or time values array depending on the trace setup. The array contains real values.

The array size is N, where N is the number of measurement points.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then the active measurement of the channel is used .

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



buffer Size

The size of the array to hold in the ret Values parameter.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Measurement X

The array of the the X-axis value.



return Size

The actual number of elements filled by the query.



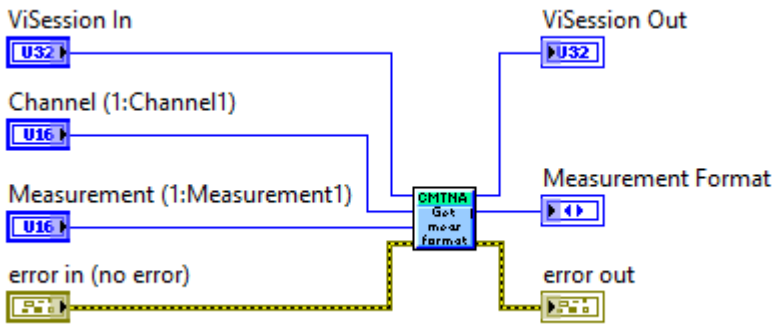
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Measurement Format

Description

Gets the display format specified by Measurement Format Enum for the measurement.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then the active measurement of the channel is used .

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Measurement Format

The display format.

Valid list of return values:

0: LogMag

1: SWR

2: Phase

3: Exp Phase

4: Group Delay

5: Lin Mag

6: Real

7: Imag

8: Smith Log

9: Smith Lin

10: Smith Real/Imag

12: Smith Complex

13: Smith Admittance

14: Polar Log

15: Polar Lin

16: Polar Real/Imag



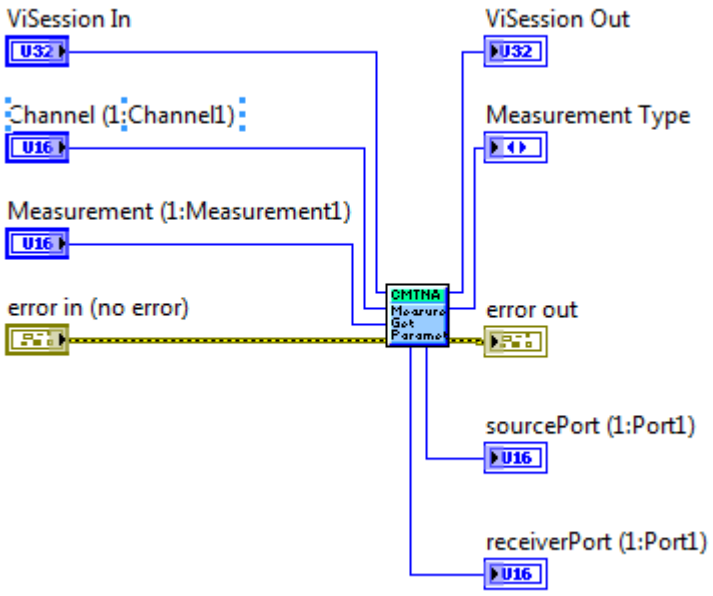
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Measurement Get Parameter

Description

Gets the measurement parameter of the trace.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Measurement Type

The type measurement.

Valid list of return values:

0: S–parameter

1: Test receiver

2: Reference receiver

3: DC Voltage



error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.



ReceiverPort(1:Port1)

The number of port from which the measurement is performed.



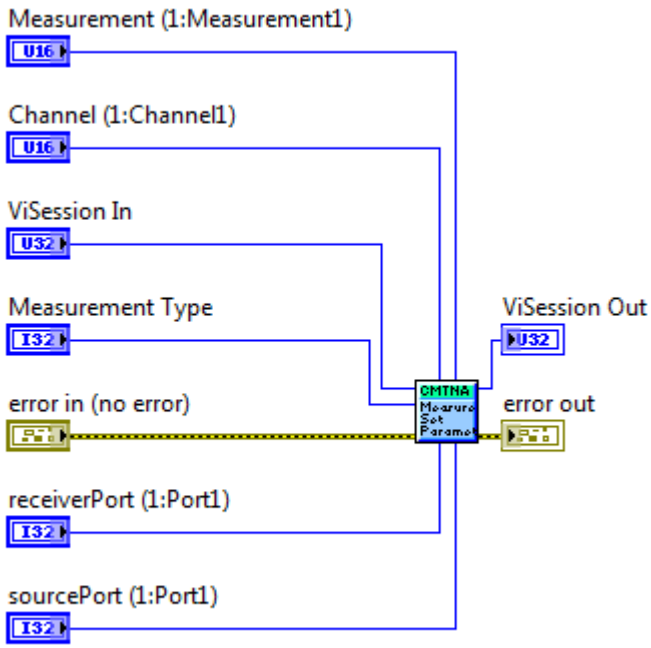
Source Port(1:Port1)

The number of port which is the source.

Measurement Set Parameter

Description

Sets the measurement parameter of the trace.



Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Measurement Type

The type measurement.

Valid list of values:

0: S–parameter

1: Test receiver

2: Reference receiver

3: DC Voltage



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ReceiverPort(1:Port1)

The number of port from which the measurement is performed.



SourcePort(1:Port1)

The number of port which is the source.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



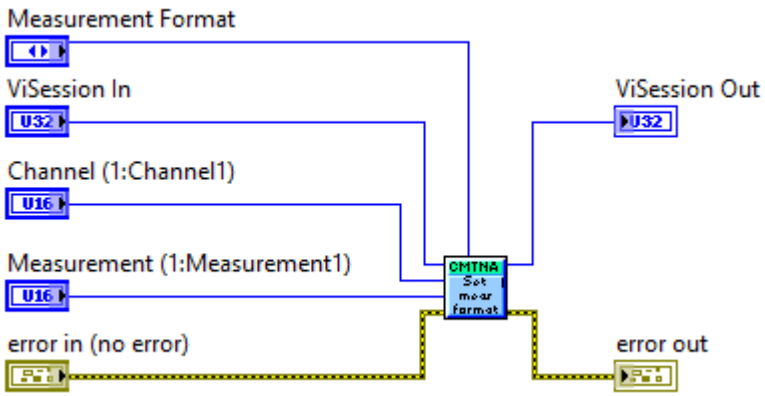
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Measurement Format

Description

Sets the display format specified by Measurement Format Enum for the measurement.



Measurement Format

The display format.

Valid list of return values:

0: LogMag

1: SWR

2: Phase

3: Exp Phase

4: Group Delay

5: Lin Mag

6: Real

7: Imag

8: Smith Log

9: Smith Lin

10: Smith Real/Imag

12: Smith Complex

13: Smith Admittance

14: Polar Log

15: Polar Lin

16: Polar Real/Imag



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.



Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then the active measurement of the channel is used .



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

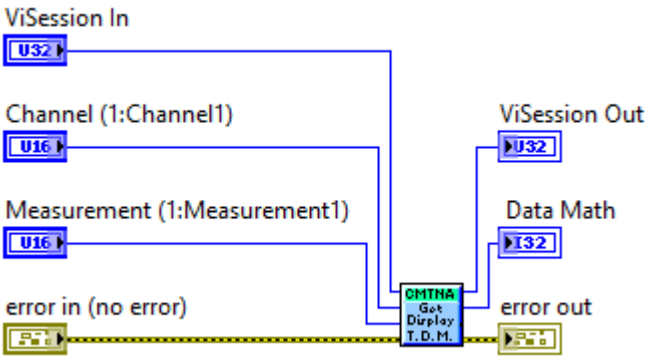
Display

Memory

Get Display Trace Data Math

Description

Gets the math operation between the data trace and the memory trace. The math result replaces the data trace. If the memory trace does not exist, the command is ignored.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then the active measurement of the channel is used .

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Data Math

The type of the trace hold function.

Valid list of return values:

0: Data/Mem.

1: Data*Mem.

2: Dara-Mem.

3: Data+Mem.

4: Off.



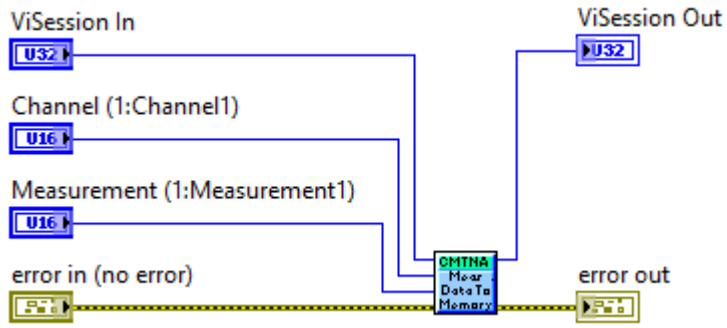
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Measurement Data To Memory

Description

Saves measurement trace data in memory.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then the active measurement of the channel is used .

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



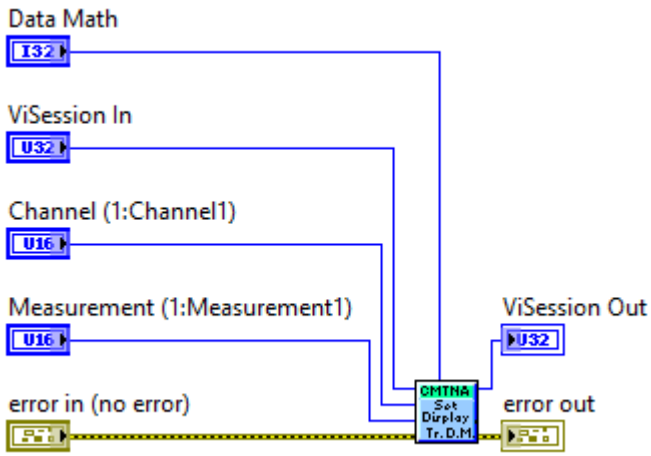
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Display Trace Data Math

Description

Sets the math operation between the data trace and the memory trace. The math result replaces the data trace. If the memory trace does not exist, the command is ignored.



Data Math

The type of the trace hold function.

Valid list of return values:

0: Data/Mem.

1: Data*Mem.

2: Dara-Mem.

3: Data+Mem.

4: Off.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.



Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then the active measurement of the channel is used .



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

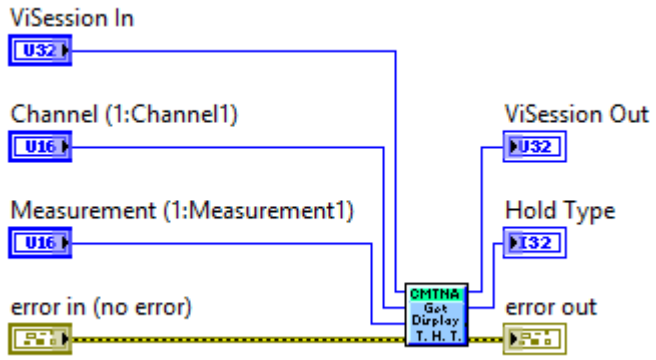
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Trace Hold

Get Display Trace Hold Type

Description

Gets the type of the trace hold function. The function holds the trace at the maximum or minimum point.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Hold Type

The type of the trace hold function.

Valid list of return values:

0: Off.

1: Max.

2: Min.



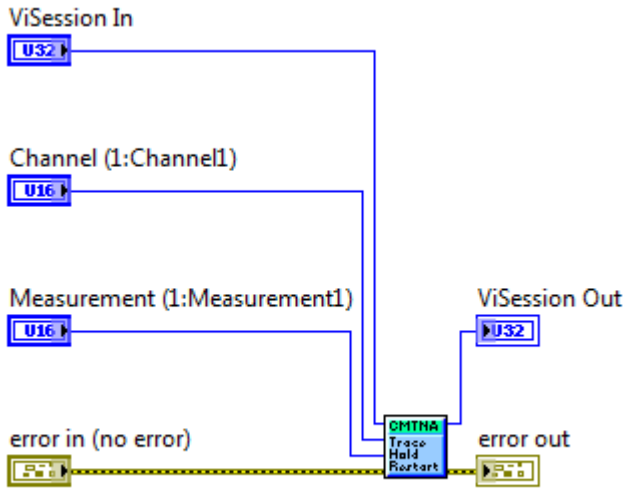
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Trace Hold Restart

Description

This command resets the trace hold function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then the active measurement of the channel is used .

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



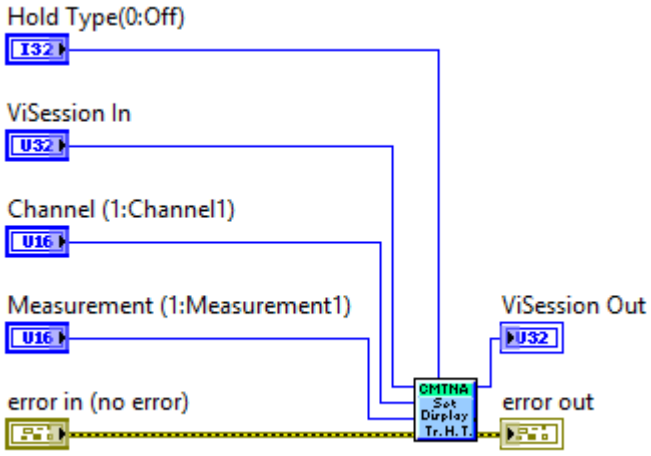
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Display Trace Hold Type

Description

Sets the type of the trace hold function. The function holds the trace at the maximum or minimum point.



Hold Type (0:Off)

The type of the trace hold function.

Valid list of return values:

0: Off.

1: Max.

2: Min.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

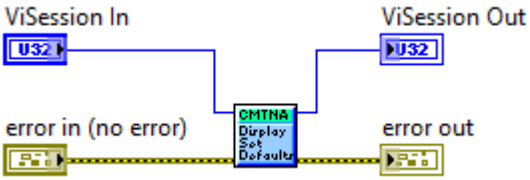
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Properties

Display Set Defaults

Description

Restores the display settings to the default values.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

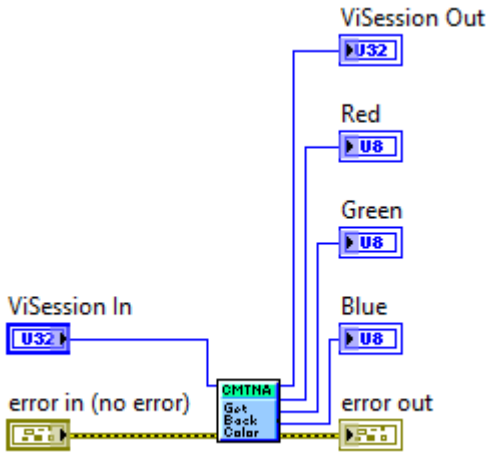
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Background Color

Description

Gets the grid and the graticule label color for trace display. The color is defined by its mix of red (RR), green (GG) and blue (BB) components each represented by 16-bit hexadecimal number.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Red

The red component of color which is represented by 16-bit hexadecimal number.



Green

The green component of color which is represented by 16-bit hexadecimal number.



Blue

The blue component of color which is represented by 16-bit hexadecimal number.



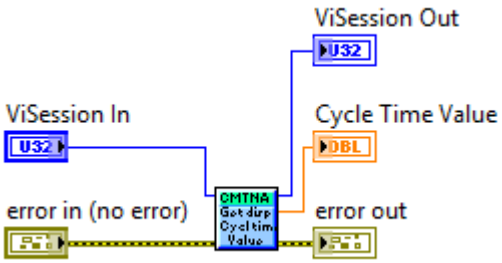
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Display Cycle Time Value

Description

Gets the measured cycle time. The cycle time is the interval between the start of two adjacent sweeps. The cycle time is averaged by an exponential window with a time constant of about 0.5 sec. If the cycle time is changed more than 100 usec in comparison with the averaged time, the averaging starts anew. The value is expressed in seconds (sec).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Cycle Time Value

The cycle time.

error out

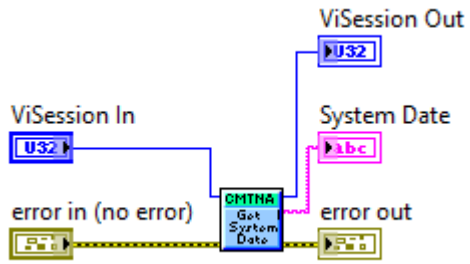
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Display System Date

Description

Gets the current date.

The date format: "YYYY,MM,DD" (YYYY - year, MM - month, DD - day).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

System Date

The current date.

error out

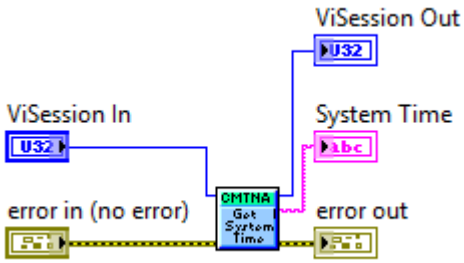
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Display System Time

Description

Gets the current time.

The time format: "hh,mm,ss" (hh - hour, mm - minute, ss - second).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

System Time

The current time.

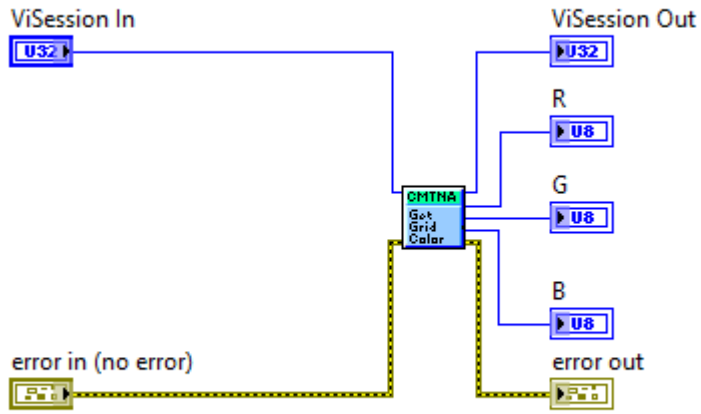
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Grid Color

Description

Gets the background color for trace display. The color is defined by its mix of red (RR), green (GG) and blue (BB) components each represented by 16-bit hexadecimal number.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

R

The red component of color which is represented by 16-bit hexadecimal number.



G

The green component of color which is represented by 16-bit hexadecimal number.



B

The blue component of color which is represented by 16-bit hexadecimal number.



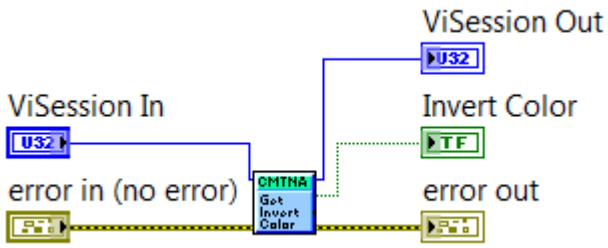
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Invert Color

Description

Turns ON/OFF the invertion of display colors of the traces area.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Invert Color

The state of the invertion of display colors of the traces area.

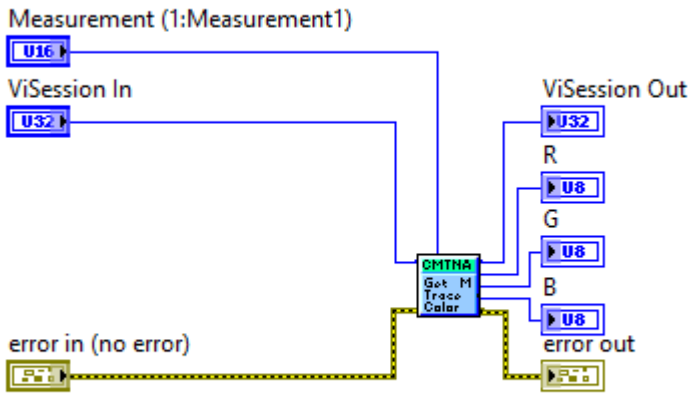
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Memory Trace Color

Description

Gets the memory trace color. The color is defined by its mix of red (RR), green (GG) and blue (BB) components each represented by 16-bit hexadecimal number.



Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



R

The red component of color which is represented by 16-bit hexadecimal number.



G

The green component of color which is represented by 16-bit hexadecimal number.



B

The blue component of color which is represented by 16-bit hexadecimal number.



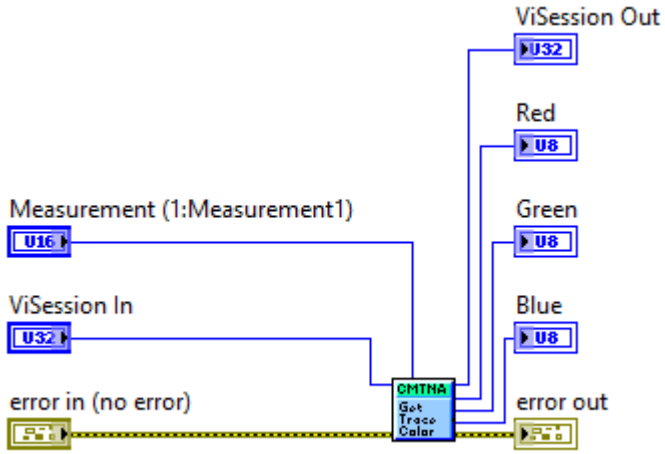
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Trace Color

Description

Gets the data trace color. The color is defined by its mix of red (RR), green (GG) and blue (BB) components each represented by 16-bit hexadecimal number.



Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Red

The red component of color which is represented by 16-bit hexadecimal number.



Green

The green component of color which is represented by 16-bit hexadecimal number.



Blue

The blue component of color which is represented by 16-bit hexadecimal number.



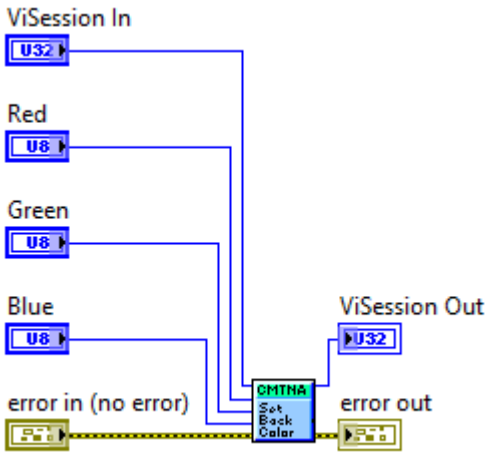
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Background Color

Description

Sets/Gets the grid and the graticule label color for trace display. The color is defined by its mix of red (RR), green (GG) and blue (BB) components each represented by 16-bit hexadecimal number.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Red

The red component of color which is represented by 16-bit hexadecimal number.

Green

The green component of color which is represented by 16-bit hexadecimal number.

Blue

The blue component of color which is represented by 16-bit hexadecimal number.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

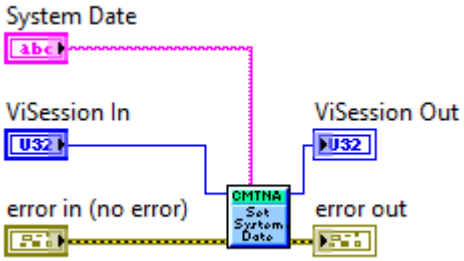
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Display System Date

Description

Sets the current date.

The date format: "YYYY,MM,DD" (YYYY - year, MM - month, DD - day).



System Date

The current date.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error out

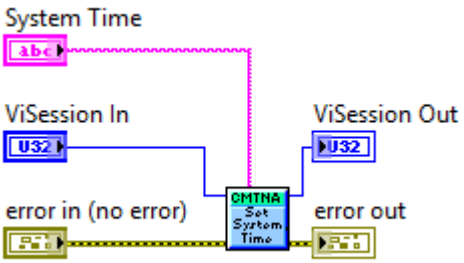
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Display System Time

Description

Sets the current time.

The time format: "hh,mm,ss" (hh - hour, mm - minute, ss - second).



System Time

The current time.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

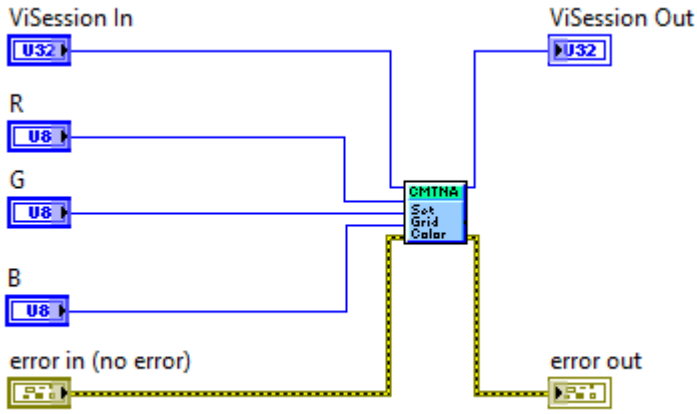
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Grid Color

Description

Sets the background color for trace display. The color is defined by its mix of red (RR), green (GG) and blue (BB) components each represented by 16-bit hexadecimal number.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

R

The red component of color which is represented by 16-bit hexadecimal number.

G

The green component of color which is represented by 16-bit hexadecimal number.

B

The blue component of color which is represented by 16-bit hexadecimal number.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



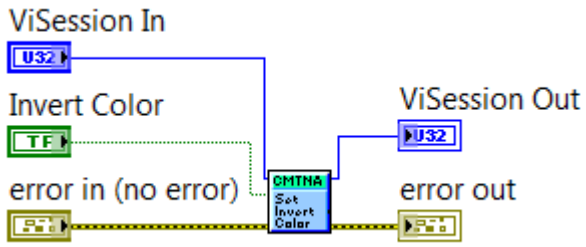
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Invert Color

Description

Turns ON/OFF the invertion of display colors of the traces area.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Invert Color

The state of the invertion of display colors of the traces area.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

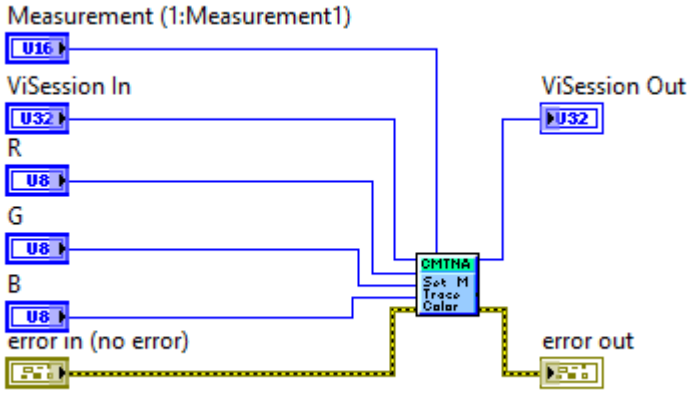
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Memory Trace Color

Description

Sets the memory trace color. The color is defined by its mix of red (RR), green (GG) and blue (BB) components each represented by 16-bit hexadecimal number.



Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

R

The red component of color which is represented by 16-bit hexadecimal number.

G

The green component of color which is represented by 16-bit hexadecimal number.

B

The blue component of color which is represented by 16-bit hexadecimal number.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



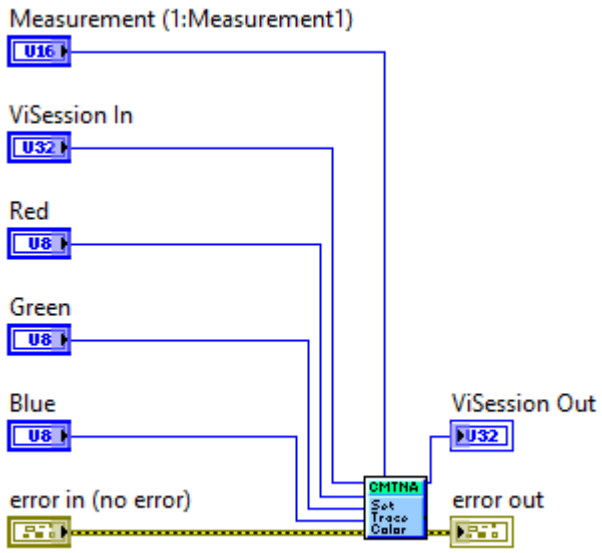
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Trace Color

Description

Sets the data trace color. The color is defined by its mix of red (RR), green (GG) and blue (BB) components each represented by 16-bit hexadecimal number.



Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Red

The red component of color which is represented by 16-bit hexadecimal number.

Green

The green component of color which is represented by 16-bit hexadecimal number.



Blue

The blue component of color which is represented by 16-bit hexadecimal number.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



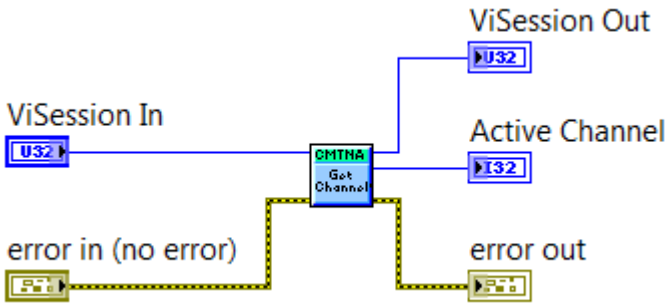
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Active Channel

Description

Gets the active channel.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Active Channel

The number of the active channel.

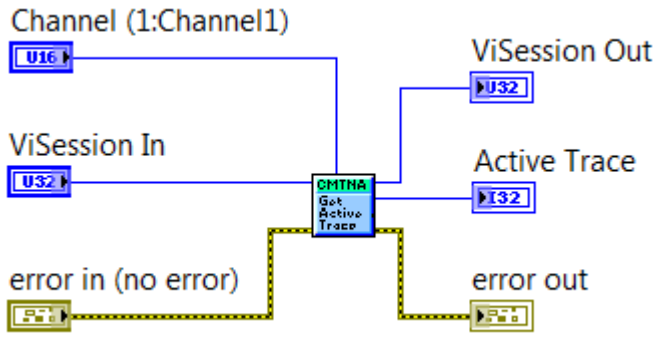
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Active Trace

Description

Gets the active trace in channel.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Active Trace

The number of the active trace in the channel.

error out

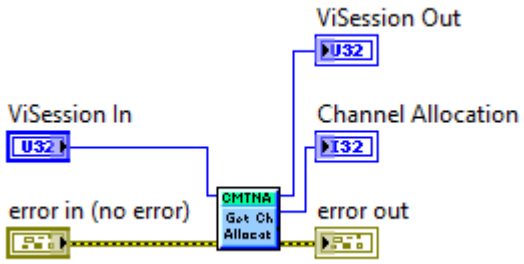
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Channel Allocation

Description

Gets the layout of the channel windows on the screen. The channel window layout on the screen see below.

1: ×1	2: ×2	3: ×2	4: ×3
5: ×3	6: ×3	7: ×4	8: ×4
9: ×6	10: ×6	11: ×8	12: ×8
13: ×9	14: ×12	15: ×12	16: ×16



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Channel Allocation

The layout of the channel windows on the screen.



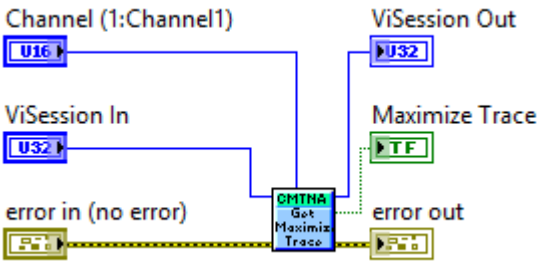
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Display Maximize Trace

Description

Turn ON/OFF the active trace maximization inside the specified channel.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Maximize Trace

The state of the active trace maximization inside the specified channel.

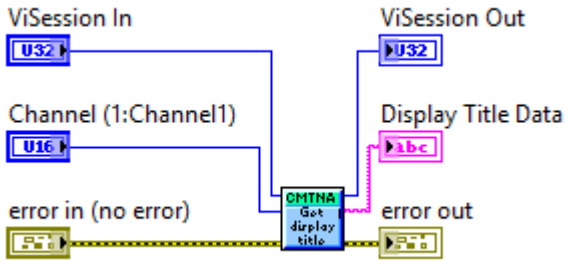
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Display Title Data

Description

Gets the channel title label.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Display Title Data

The channel title label.

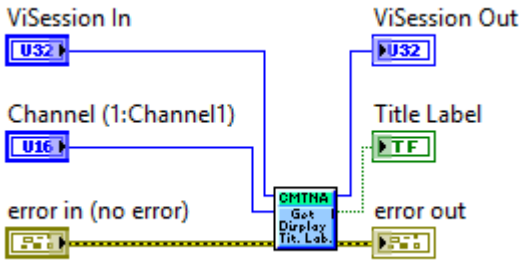
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Display Title Label

Description

Turns ON/OFF the channel title display.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Title Label

The state of the channel title display.

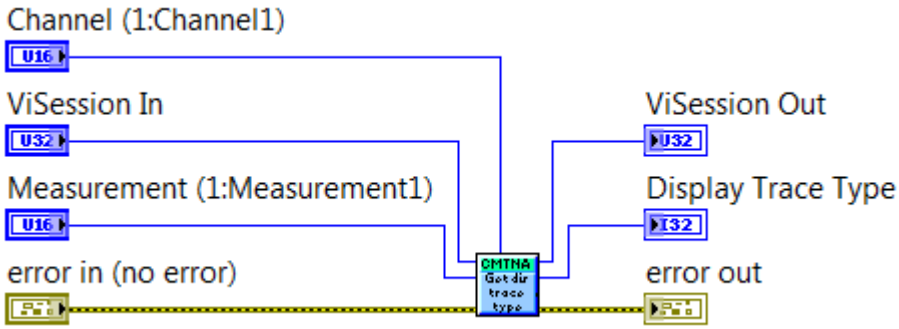
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Display Trace Type

Description

Turns ON/OFF the memory trace display.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Display Trace Type

The state of the memory trace display.

Valid list of return values:

0: Data.

1: Memory.

2: Data&Memory.

3: Off.



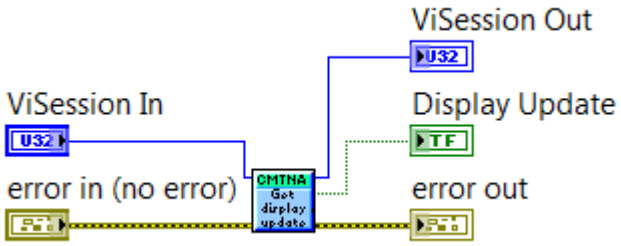
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Display Update

Description

Turns ON/OFF the display update.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Display Update

The state of the display update.

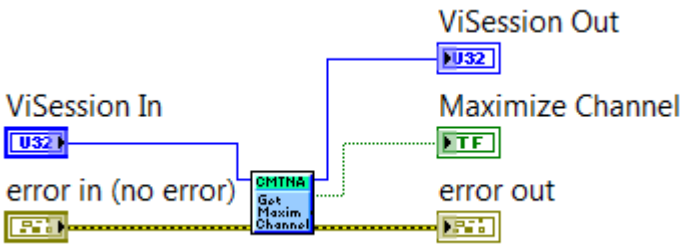
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Maximize Channel

Description

Turns ON/OFF of the maximization of the active channel window.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Maximize Channel

The state of the maximization of the active channel window.

error out

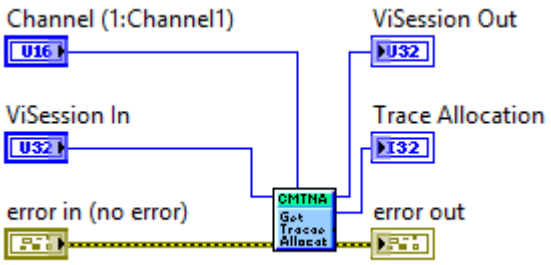
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Trace Allocation

Description

Gets the layout of the graph in the channel window. The graph layout in the channel window see below.

1: ×1	2: ×2	3: ×2	4: ×3
5: ×3	6: ×3	7: ×4	8: ×4
9: ×6	10: ×6	11: ×8	12: ×8
13: ×9	14: ×12	15: ×12	16: ×16



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Trace Allocation

The layout of the graph in the channel window.



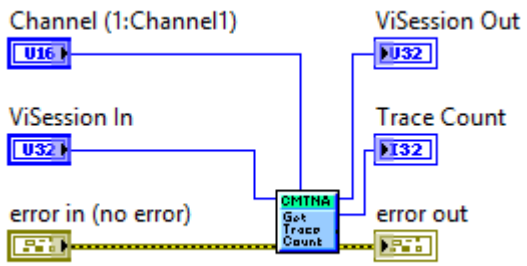
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Trace Count

Description

Gets the number of traces in the channel.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Trace Count

The number of traces in the channel.

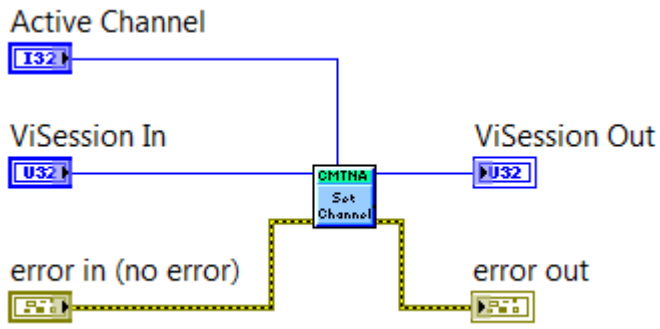
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Active Channel

Description

Sets the active channel.



Active Channel

The number of the active channel.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

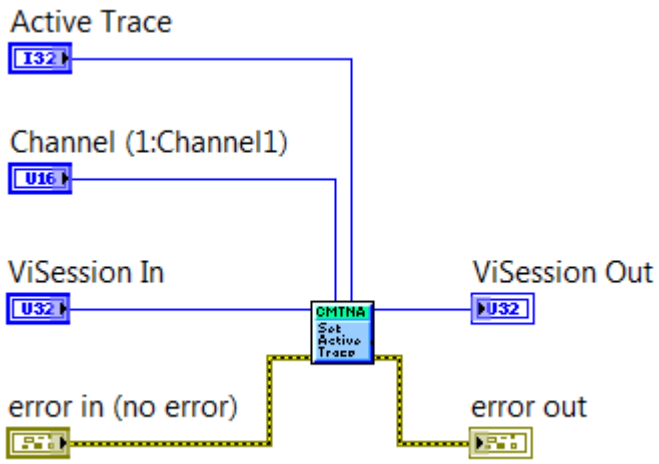
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Active Trace

Description

Sets the active trace in channel.



Active Channel

The number of the active channel.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

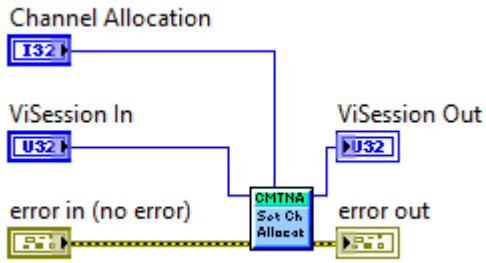
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Channel Allocation

Description

Sets the layout of the channel windows on the screen. The channel window layout on the screen see below.

1: ×1	2: ×2	3: ×2	4: ×3
5: ×3	6: ×3	7: ×4	8: ×4
9: ×6	10: ×6	11: ×8	12: ×8
13: ×9	14: ×12	15: ×12	16: ×16



I32 Channel Allocation

The layout of the channel windows on the screen.

U32 **ViSession In**

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

U32 **ViSession Out**

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



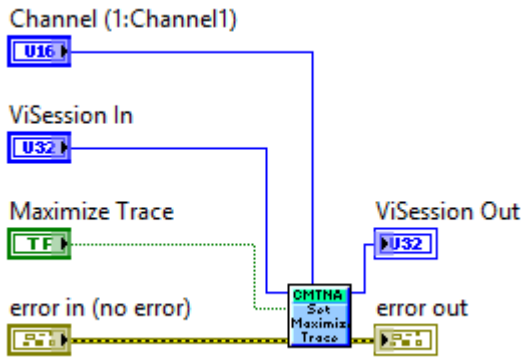
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Display Maximize Trace

Description

Turn ON/OFF the active trace maximization inside the specified channel.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Maximize Trace

The state of the active trace maximization inside the specified channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



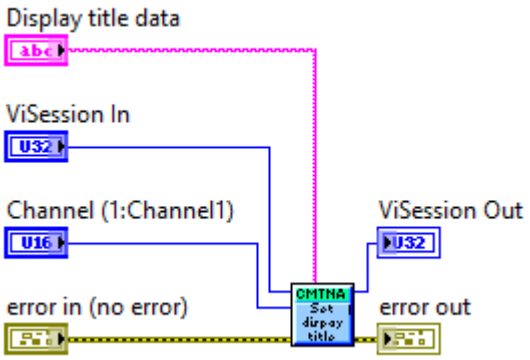
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Display Title Data

Description

Sets the channel title label.



Display Title Data

The channel title label.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

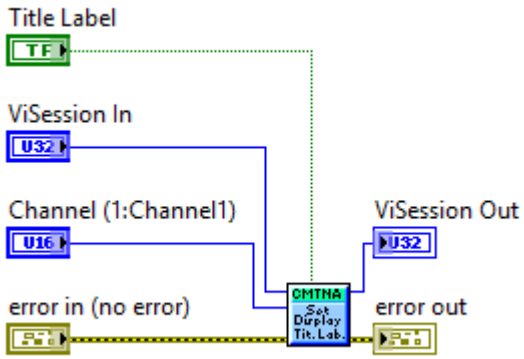
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Display Title Label

Description

Turns ON/OFF the channel title display.



Title Label

The state of the channel title display.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

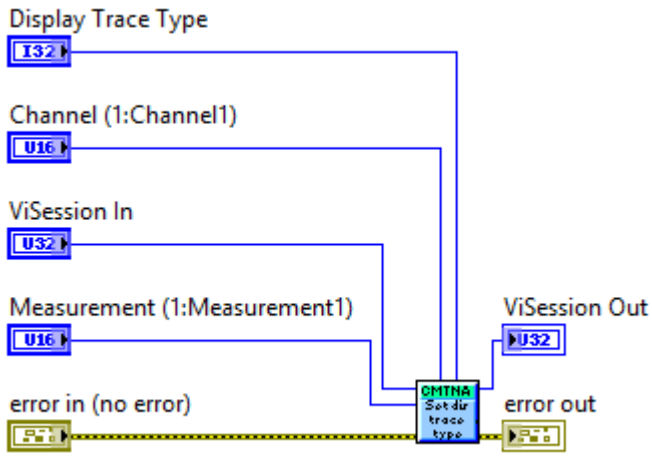
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Display Trace Type

Description

Turns ON/OFF the memory trace display.



Display Trace Type

The state of the memory trace display.

0: Data.

1: Memory.

2: Data&Memory.

3: Off.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



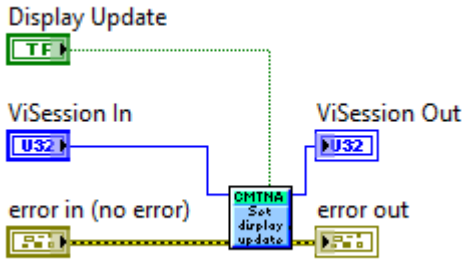
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Display Update

Description

Turns ON/OFF the display update.



Display Update

The state of the display update.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

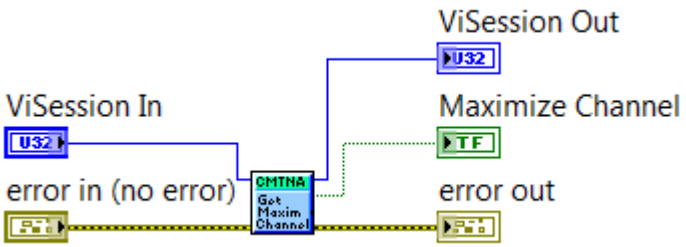
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Maximize Channel

Description

Turns ON/OFF of the maximization of the active channel window.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Maximize Channel

The state of the maximization of the active channel window.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error out

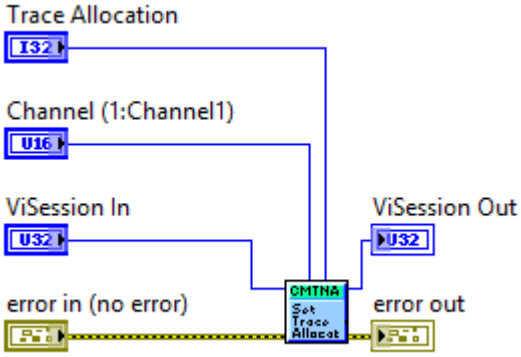
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Trace Allocation

Description

Sets the layout of the graph in the channel window. The graph layout in the channel window see below.

1: ×1	2: ×2	3: ×2	4: ×3
5: ×3	6: ×3	7: ×4	8: ×4
9: ×6	10: ×6	11: ×8	12: ×8
13: ×9	14: ×12	15: ×12	16: ×16



Trace Allocation

The layout of the graph in the channel window.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



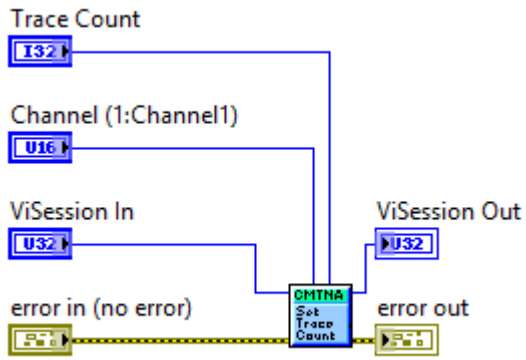
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Trace Count

Description

Sets the number of traces in the channel.



Trace Count

The number of traces in the channel.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

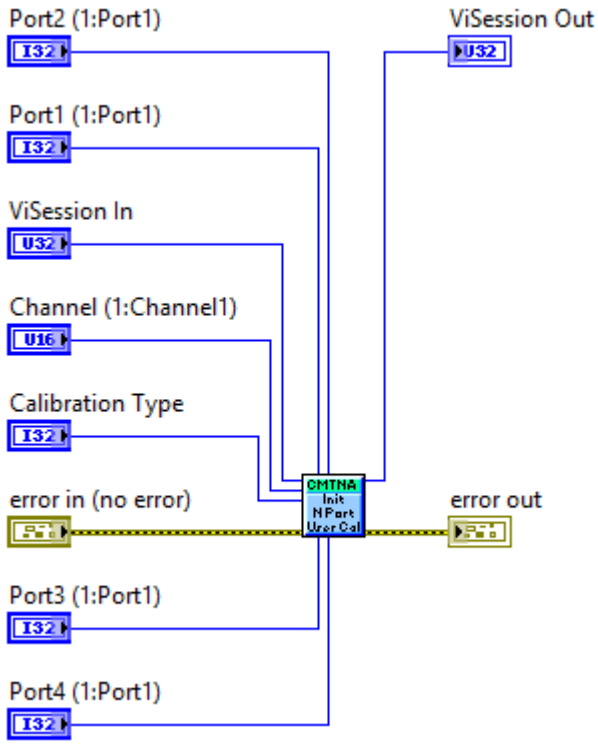
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Calibration

Init N Port User Cal

Description

Initializes user calibration.



Port2 (1:Port1)

Specifies the channel for which this operation is targeted.

Port1 (1:Port1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.



Calibration Type

The type of calibration that is performed.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



Port3 (1:Port1)

Specifies the channel for which this operation is targeted.



Port4 (1:Port1)

Specifies the channel for which this operation is targeted.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

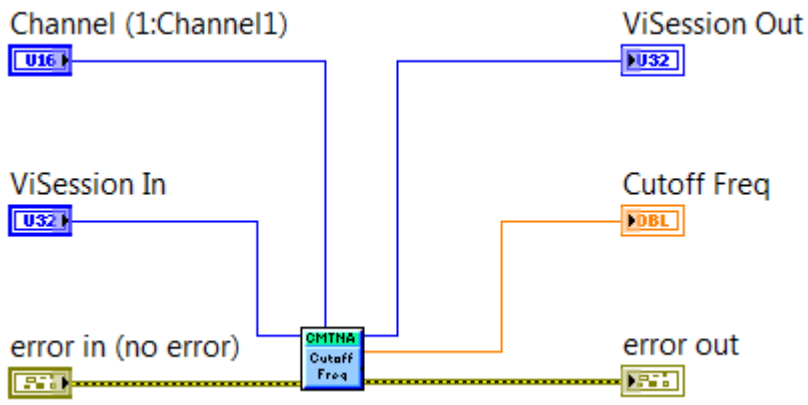
Calibrate

Adapter Removal

Get Adapter Removal Cutoff Freq

Description

Gets the value of the cutoff frequency of the waveguide adapter.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Cutoff Freq

The cutoff frequency of the waveguide adapter.



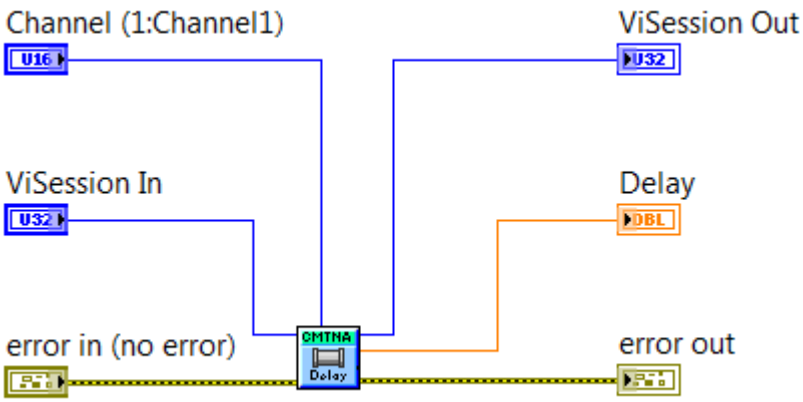
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Adapter Removal Delay

Description

Gets the approximate delay value of an adapter in the adapter removal/insertion function. The value is expressed in seconds (sec).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Delay

The delay value of an adapter.



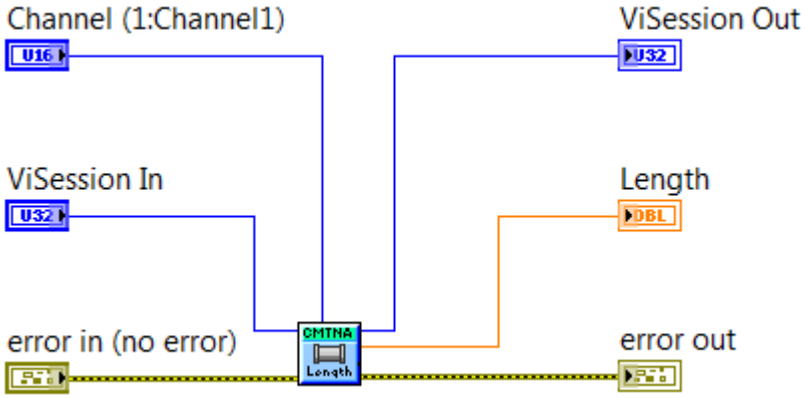
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Adapter Removal Length

Description

Gets the approximate value of the mechanical length of the adapter in the adapter removal/insertion function. The value is expressed in meters (m).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Length

The mechanical length of the adapter.



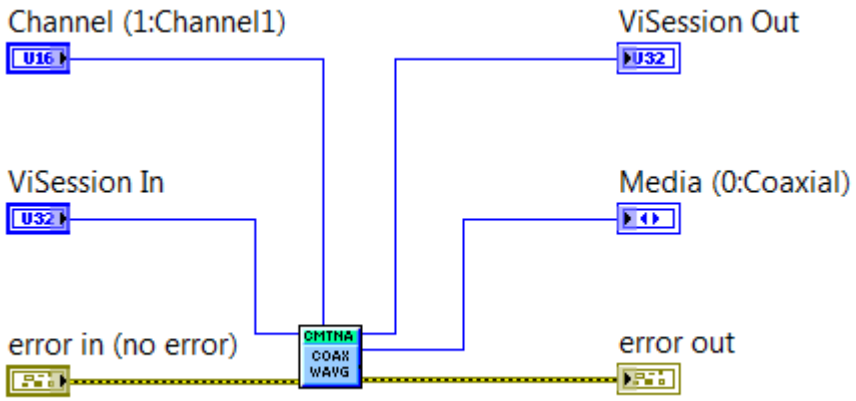
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Adapter Removal Media

Description

Gets the adapter media in the adapter removal/insertion function.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Media (0:Coaxial)

The adapter media.

Valid list of return values:

0: Coaxial

1: Waveguide



error out

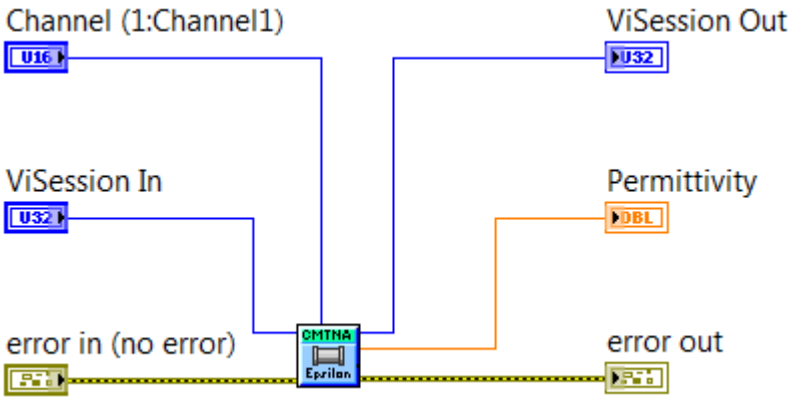
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Adapter Removal Permittivity

Description

Gets the value of the permittivity of an adapter media in the adapter removal/insertion function.

When setting the adapter length, this parameter is used to calculate the adapter delay; therefore this parameter must be set before setting of the adapter length. When setting the adapter delay, this parameter is not used.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Permittivity

The permittivity of an adapter media.



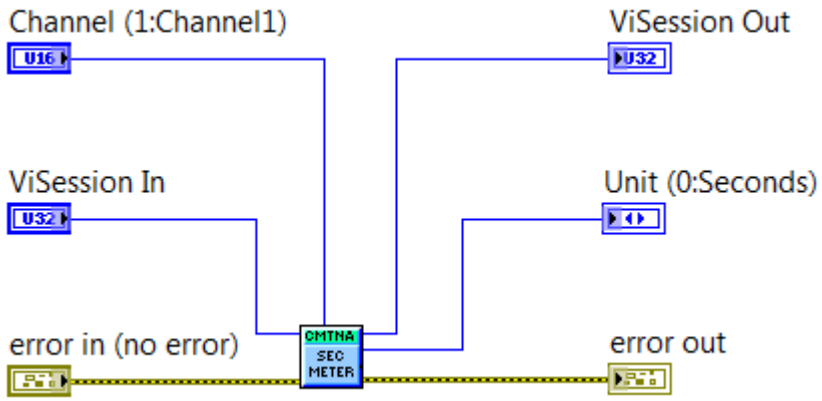
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Adapter Removal Unit

Description

Gets the display units of the adapter delay (length) in the adapter removal/insertion function.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Unit (0:Seconds)

The display units of the adapter delay (length).

Valid list of return values:

0: Seconds

1: Meters



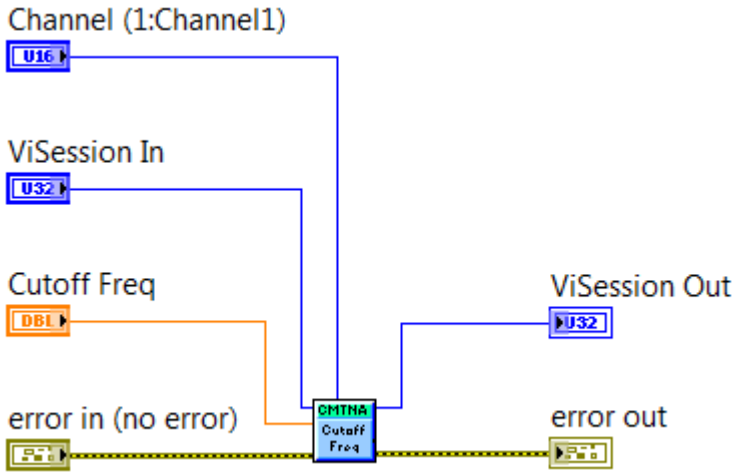
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Adapter Removal Cutoff Freq

Description

Sets the value of the cutoff frequency of the waveguide adapter.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Cutoff Freq

The cutoff frequency of the waveguide adapter.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



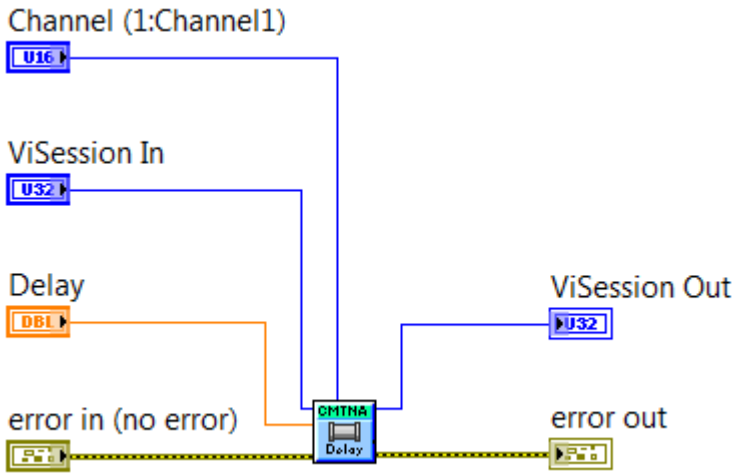
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Adapter Removal Delay

Description

Sets the approximate delay value of an adapter in the adapter removal/insertion function. The value is expressed in seconds (sec).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Delay

The delay value of an adapter.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



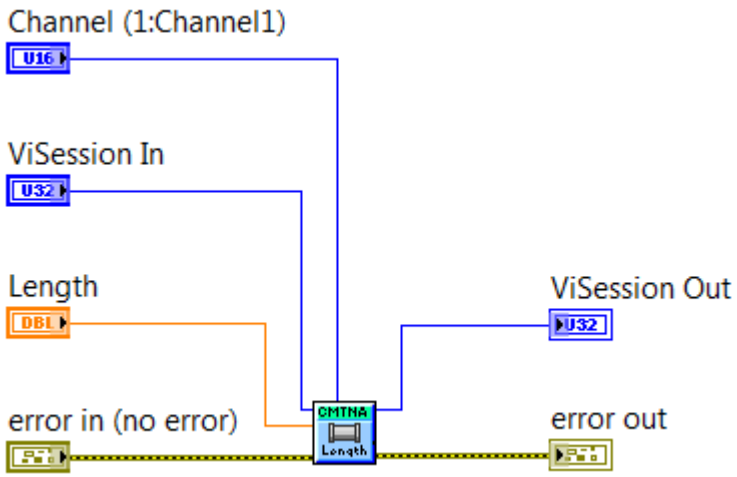
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Adapter Removal Length

Description

Sets the approximate value of the mechanical length of the adapter in the adapter removal/insertion function. The value is expressed in meters (m).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Length

The mechanical length of the adapter.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



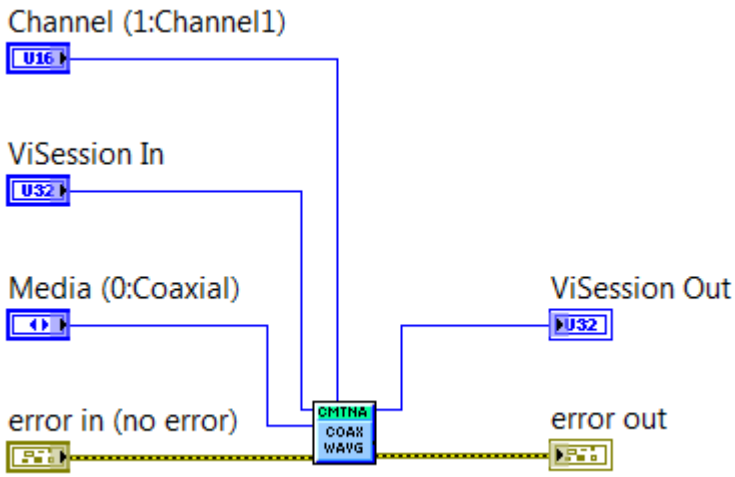
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Adapter Removal Media

Description

Sets the adapter media in the adapter removal/insertion function.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Media (0:Coaxial)

The adapter media.

Valid list of values:

0: Coaxial

1: Waveguide

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

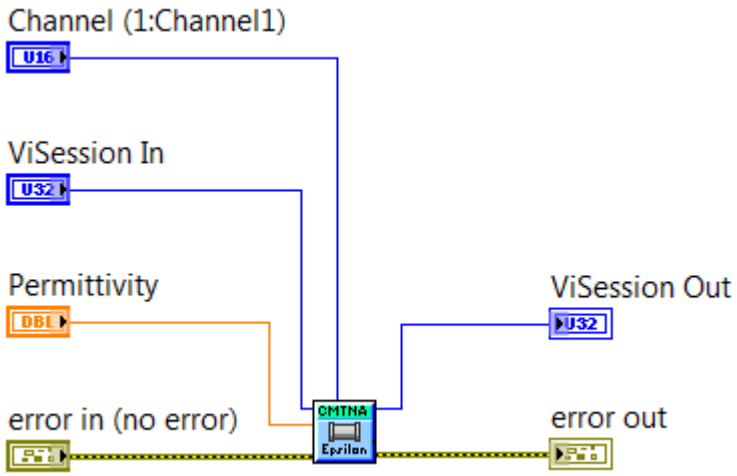
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Adapter Removal Permittivity

Description

Sets the value of the permittivity of an adapter media in the adapter removal/insertion function.

When setting the adapter length, this parameter is used to calculate the adapter delay; therefore this parameter must be set before setting of the adapter length. When setting the adapter delay, this parameter is not used.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Permittivity

The permittivity of an adapter media.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



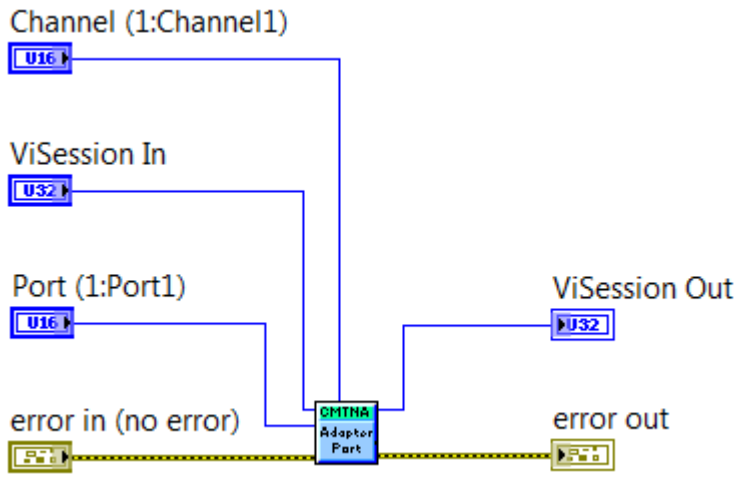
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Adapter Removal Port

Description

Sets the port number and sets the adapter removal/insertion function for the calculation of the calibration coefficients when Apply Calibration function has been executed.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Port (1:Port1)

The port number.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



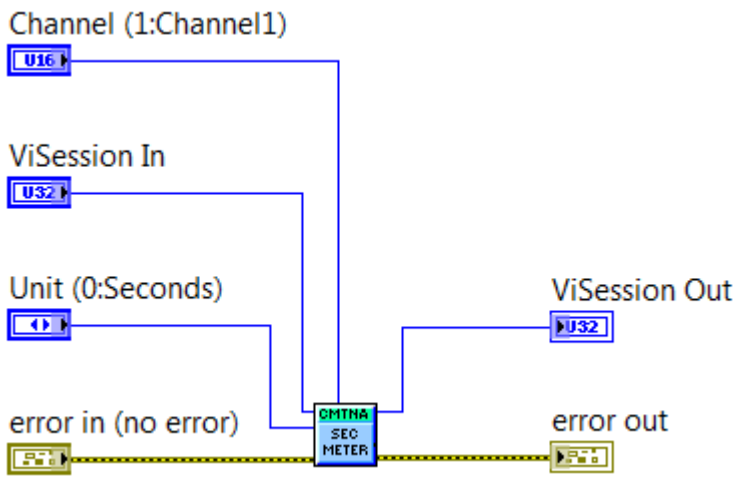
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Adapter Removal Unit

Description

Sets the display units of the adapter delay (length) in the adapter removal/insertion function.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Unit (0:Seconds)

The display units of the adapter delay (length).

Valid list of return values:

0: Seconds

1: Meters

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

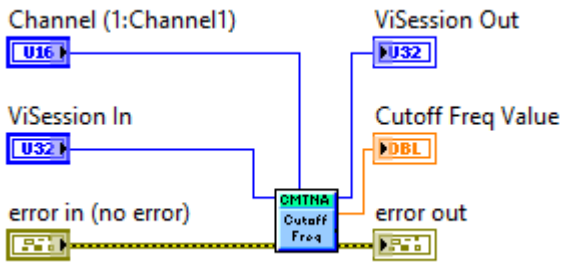
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Unknown Thru Addition

Get Thru Addition Cutoff Freq

Description

Gets the value of the cutoff frequency of the waveguide thru in the thru addition function.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Cutoff Freq

The value of the cutoff frequency.



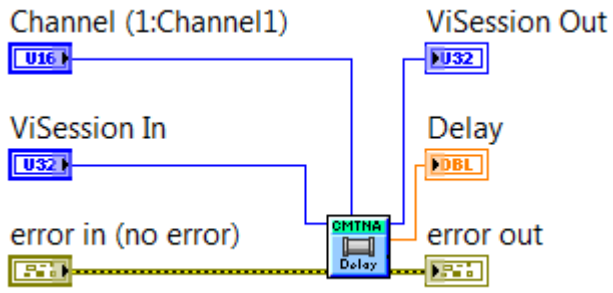
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Thru Addition Delay

Description

Gets the approximate delay value of an unknown thru in the thru addition function. The value is expressed in seconds (sec).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Delay

The approximate delay value.

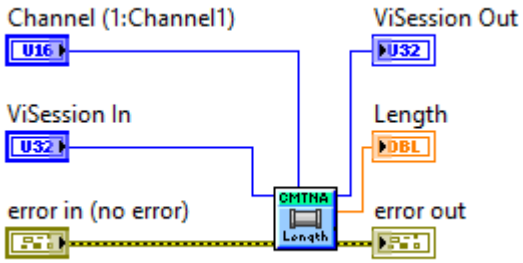
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Thru Addition Length

Description

Sets the approximate value of the mechanical length of an unknown thru in the thru addition function. The value is expressed in meters (m).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Length

The approximate value of the mechanical length.

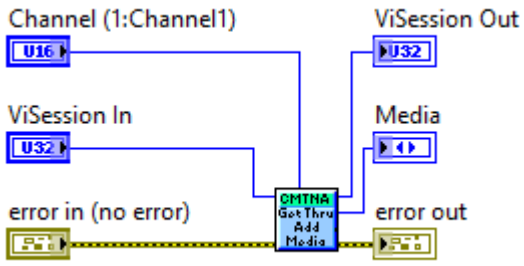
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Thru Addition Media

Description

Gets the media of the thru in the thru addition function.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Media

The media of the thru.

Valid list of return values:

0: Coaxial

1: Waveguide



error out

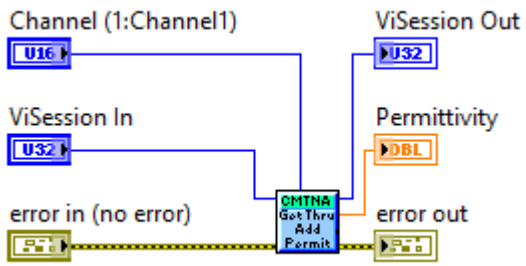
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Thru Addition Permittivity

Description

Gets the value of the permittivity of the thru media in the thru addition function.

This parameter is used to calculate the adapter delay when the thru length is setting; therefore this parameter must be set before setting of the thru length.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Permittivity

The value of the permittivity of the thru media.



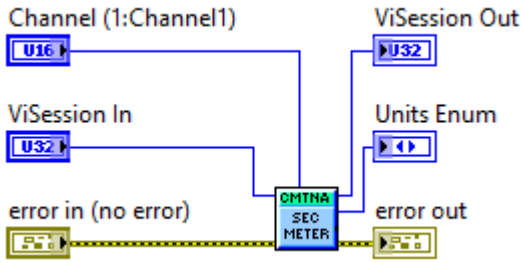
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Thru Addition Unit

Description

Gets the display units of the thru delay (length) in the thru addition function.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Unit Enum

The display units of the thru delay (length).

Valid list of return values:

0: Seconds

1: Meters



error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

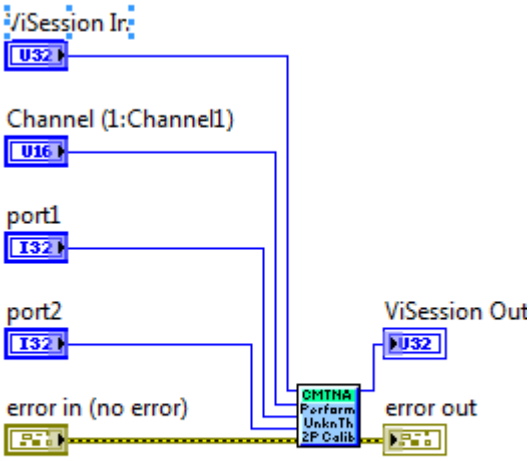
Perform UnkownThru 2Port Calibration

Description

Completes the full 2-port calibration between the specified ports provided that each port was calibrated using full 1-port calibration:

- Measures an arbitrary thru between the ports;
- Calculates the error terms Et and El using the unknown thru algorithm;
- Saves the Et and El error terms to the existing calibration getting the full 2-port calibration from the two 1-port calbrations.

If the full 2-port calibration already existed between the specified ports, updates the Et and El error terms.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

port1

The first port number from 1 to 4.



port2

The second port number from 1 to 4.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



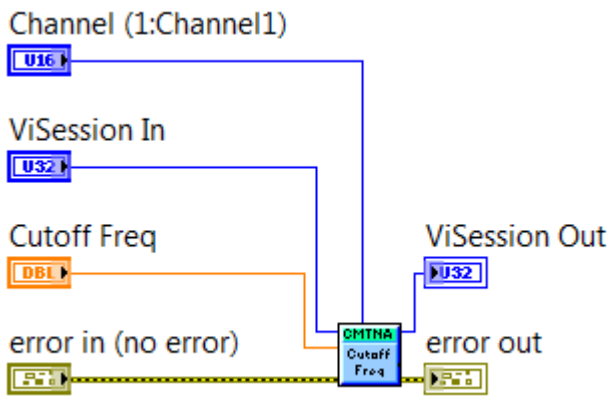
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Thru Addition Cutoff Freq

Description

Sets the value of the cutoff frequency of the waveguide thru in the thru addition function.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Cutoff Freq Value

The value of the cutoff frequency.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



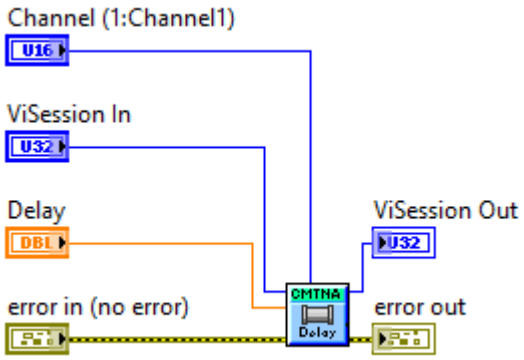
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Thru Addition Delay

Description

Sets the approximate delay value of an unknown thru in the thru addition function. The value is expressed in seconds (sec).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Delay

The approximate delay value.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



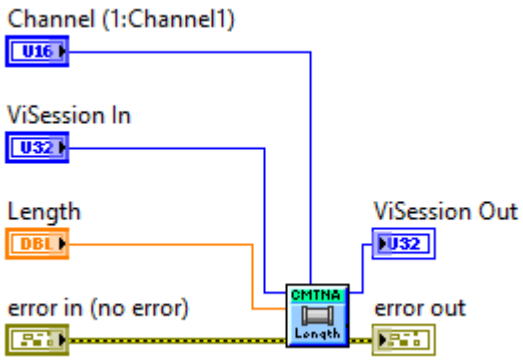
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Thru Addition Length

Description

Sets the approximate value of the mechanical length of an unknown thru in the thru addition function. The value is expressed in meters (m).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Length

The approximate value of the mechanical length.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



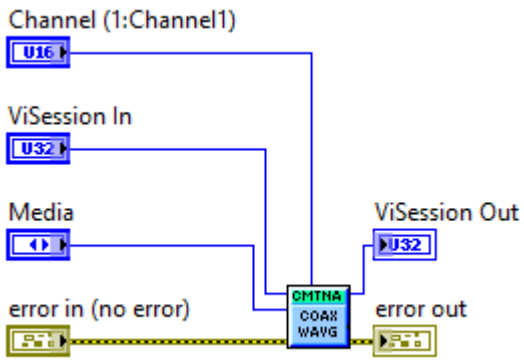
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Thru Addition Media

Description

Gets the media of the thru in the thru addition function.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Media

The media of the thru.

Valid list of return values:

0: Coaxial

1: Waveguide

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

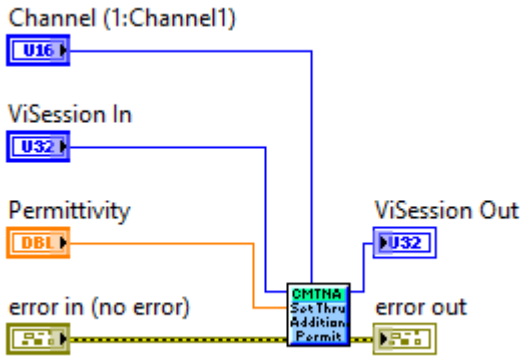
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Thru Addition Permittivity

Description

Sets the value of the permittivity of the thru media in the thru addition function.

This parameter is used to calculate the adapter delay when the thru length is setting; therefore this parameter must be set before setting of the thru length.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Permittivity

The value of the permittivity of the thru media.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



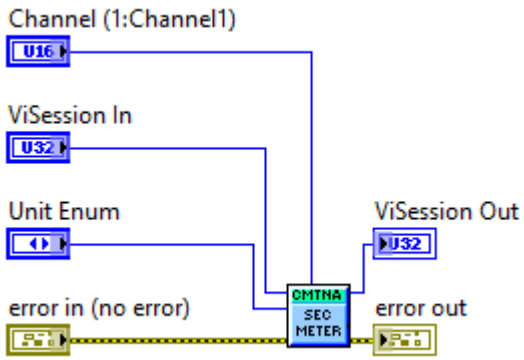
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Thru Addition Unit

Description

Sets the display units of the thru delay (length) in the thru addition function.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Unit Enum

The display units of the thru delay (length).

Valid list of return values:

0: Seconds

1: Meters

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



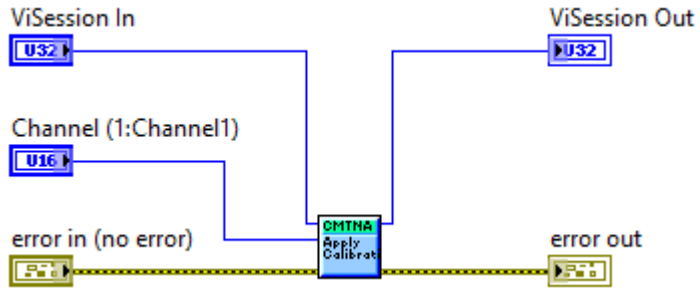
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Apply Calibration

Description

Applies calibration to channels. This method must be executed after acquiring all the Standards during calibration session.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error out

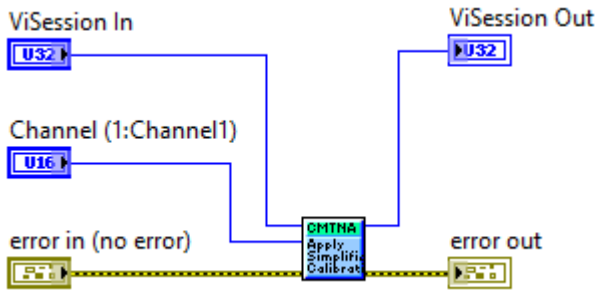
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Apply Simplified Calibration

Description

Calculates the calibration coefficients for the simplified 3 or 4 port calibration from the calibration standards measurements when the 3 or 4 port calibration is selected as the calibration type. The calibration type is selected by CmtNA Init N Port User Cal.

The simplified 3 port calibration allows omit one THRU measurement. The simplified 4 port calibration allows omit up to three THRU measurements. If full set of calibration standard measurement is made this command behaves like the CmtNA Apply Calibration.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



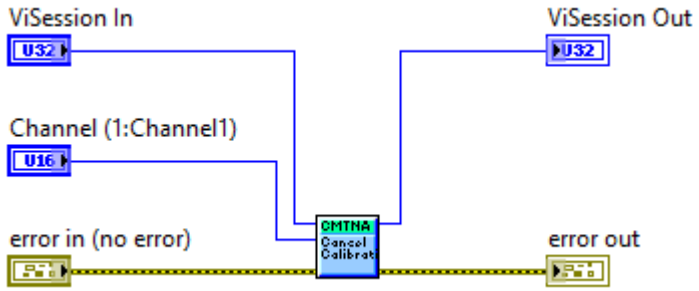
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Cancel Calibration

Description

Clears the measurement data of the calibration standards.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

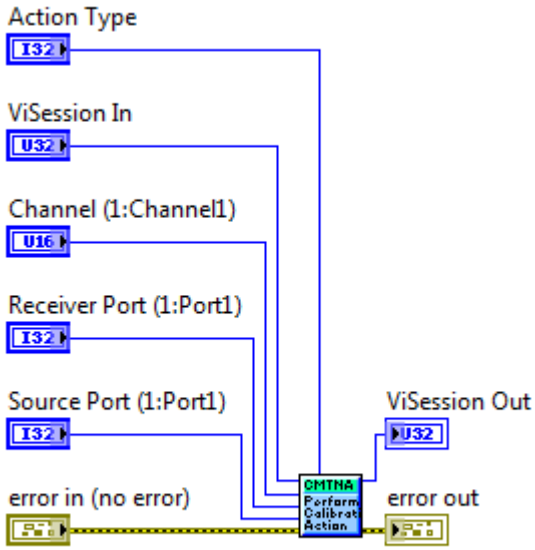
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Perform Calibration Action

Description

Performs one calibration action on the specified ports or the type of calibration action.



Action Type

The number of port which is the source.

0: Open

1: Short

2: Load

3: Thru

4: Isolation

5: Power

6: Test Receiver

7: Receiver Receiver

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Receiver Port (1:Port1)

The number of port from which the measurement is performed.

Source Port(1:Port1)

The number of port which is the source.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error out

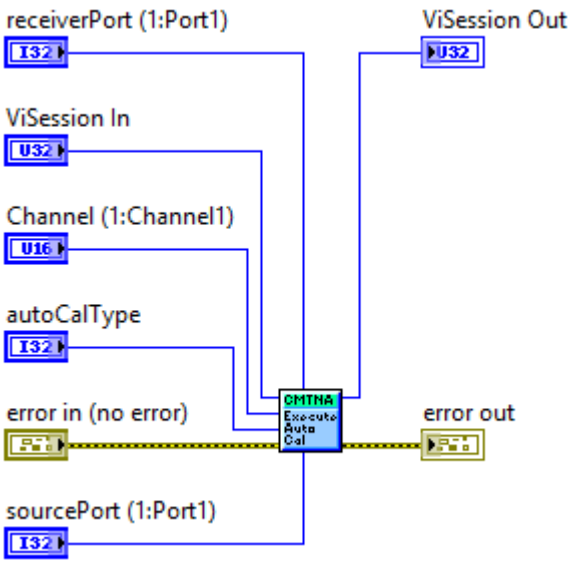
The error out cluster passes error or warning information out of a VI to be used by other VIs.

AutoCal

Execute Auto Cal Calibration

Description

Executes 1-port calibration of the specified port of specified channel or full 2-port calibration between the specified 2 ports of specified channel or one path 2–port calibration between the specified 2 ports of specified channel using the AutoCal module.



---

receiverPort (1:Port1)

The number of port from which the measurement is performed.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

auto Cal Type

The type AutoCal Module calibration.

Valid list of values:

0: 1-Port

1: Full 2-Port

2: 1-Path 2–Port



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



sourcePort(1:Port1)

The number of port which is the source.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

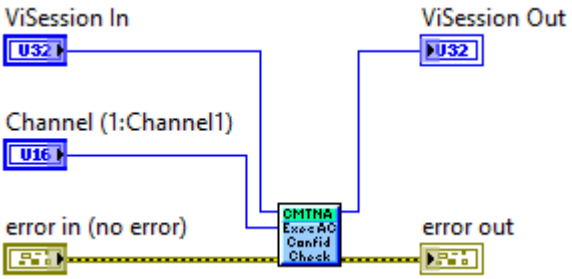
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Execute Auto Cal Confidence Check

Description

Executes the confidence check of the calibration coefficients of specified channel using the AutoCal module.

The function sets the AutoCal Module to the special internal state, reads the S-parameters of this state from the AutoCal Module and sets memory traces so that they can be compared with actual measured data. Comparison is carried out visually by the user.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

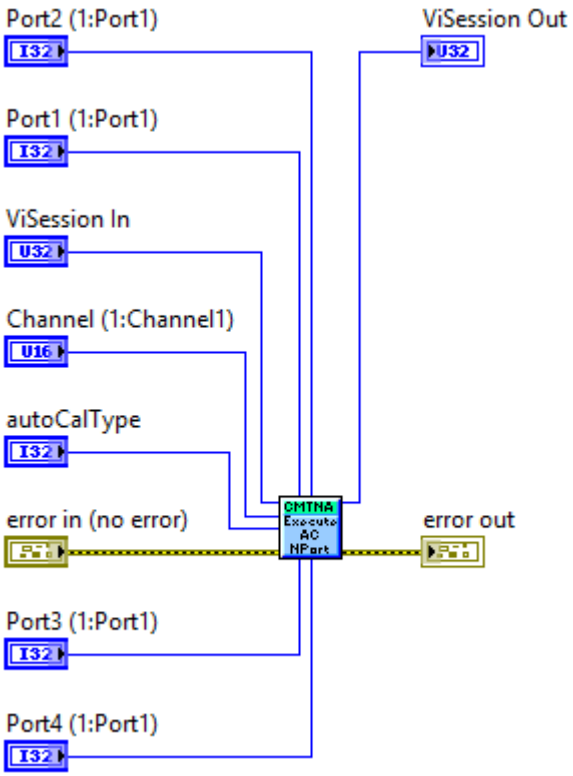
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Execute Auto Cal N Port Calibration

Description

Executes 1-port calibration of the specified port of specified channel or full 2, 3, 4-port calibration between the specified 2, 3, 4 ports of specified channel or one path 2–port calibration between the specified 2 ports of specified channel using the AutoCal module.



Port2 (1:Port1)

The number of port1 from which the measurement is performed.

Port1(1:Port1)

The number of port2 from which the measurement is performed.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

auto Cal Type

The type AutoCal Module calibration.

Valid list of values:

0: 1-Port

1: Full 2-Port

2: 1-Path 2–Port

3: Full 3-Port

4: Full 4-Port

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

Port3 (1:Port1)

The number of port3 from which the measurement is performed.

Port4 (1:Port1)

The number of port4 from which the measurement is performed.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

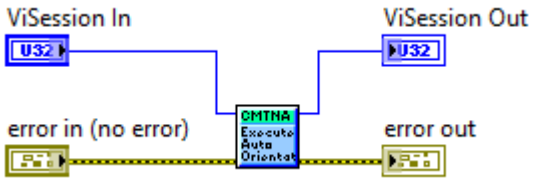
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Execute Auto Orientation

Description

Executes the Auto-Orientation procedure of the AutoCal Module. The AutoCal Module must be connected to the ports of Analyzer.





ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



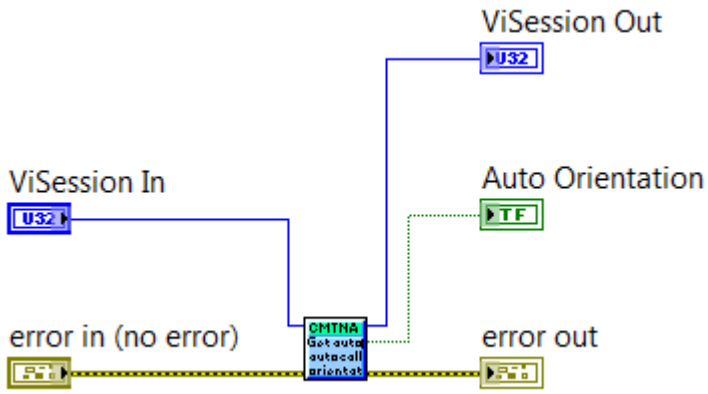
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get AutoCal Auto Orientation

Description

Turns ON/OFF the Auto-Orientation function when the AutoCal Module calibration is executed.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Auto Orientation

The state of the Auto-Orientation function when the AutoCal Module calibration is executed.

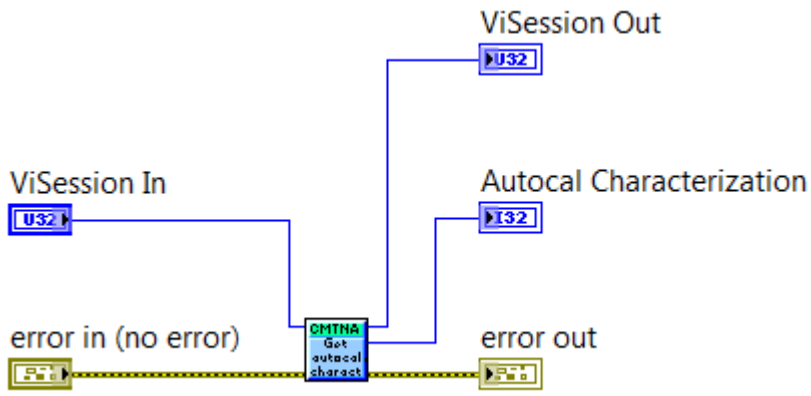
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get AutoCal Characterization

Description

Gets the characterization number used when executing AutoCal (factory or user characterizations).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Autocal Characterization

The characterization number.

Valid list of return values:

0: Factory

1: User1

2: User2

3: User3



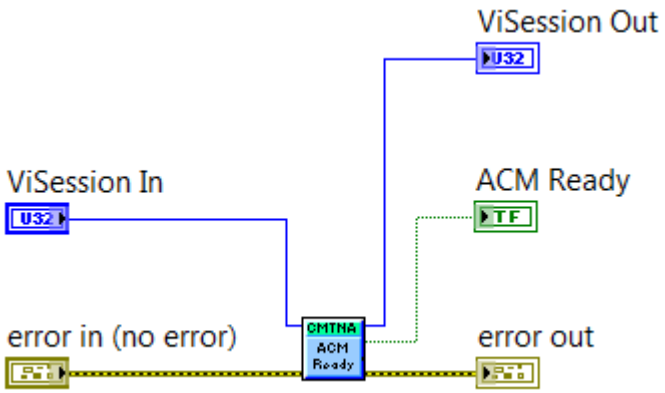
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get AutoCal Module Ready

Description

Gets the ready state of the AutoCal module. The state is True when the AutoCal module is connected.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

ACM Ready

The ready state.

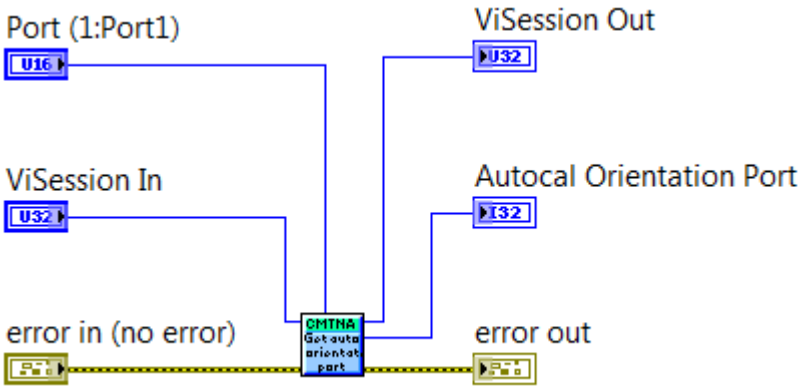
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get AutoCal Orientation Port

Description

Gets the AutoCal module port number which is connected to a specified port of Network Analyzer.



Port (1:Port1)

Specifies the port for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Autocal Orientation Port

The AutoCal module port number.

Valid list of return values:

0: Port A

1: Port B

2: Port C

3: Port D



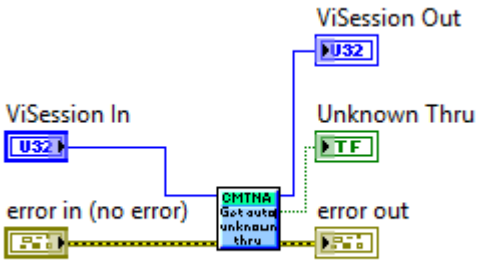
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get AutoCal Unknown Thru

Description

Turns ON/OFF the Unknown Thru feature when the AutoCal Module calibration is executed.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Unknown Thru

The state of the Unknown Thru feature.

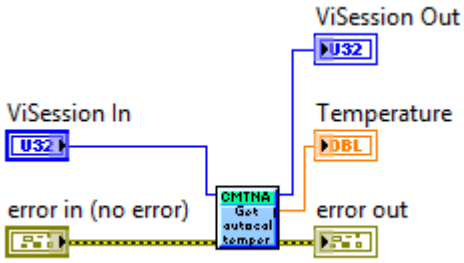
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get AutoCal Temperature

Description

Gets the temperature of the AutoCal module connected to the Analyzer. The value is expressed in Celsius degrees (°C).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Temperature

The temperature of the AutoCal module.

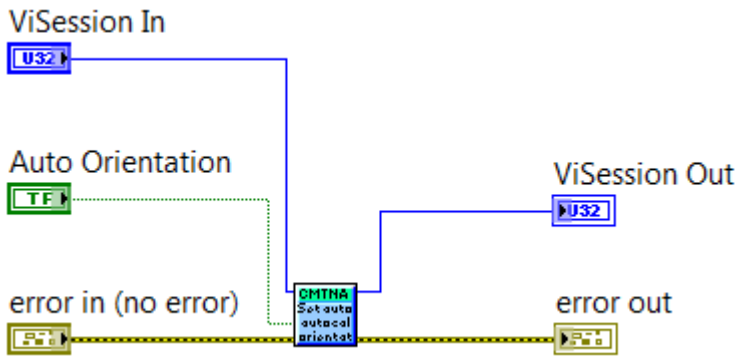
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set AutoCal Auto Orientation

Description

Turns ON/OFF the Auto-Orientation function when the AutoCal Module calibration is executed.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Auto Orientation

The state of the Auto-Orientation function when the AutoCal Module calibration is executed.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

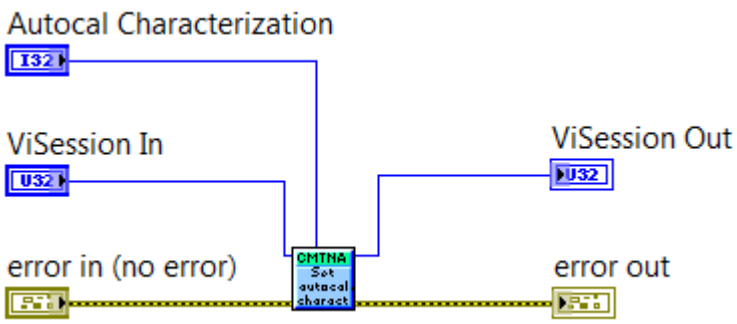
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set AutoCal Characterization

Description

Sets the characterization number used when executing AutoCal (factory or user characterizations).



Autocal Characterization

The characterization number.

Valid list of values:

0: Factory

1: User1

2: User2

3: User3

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



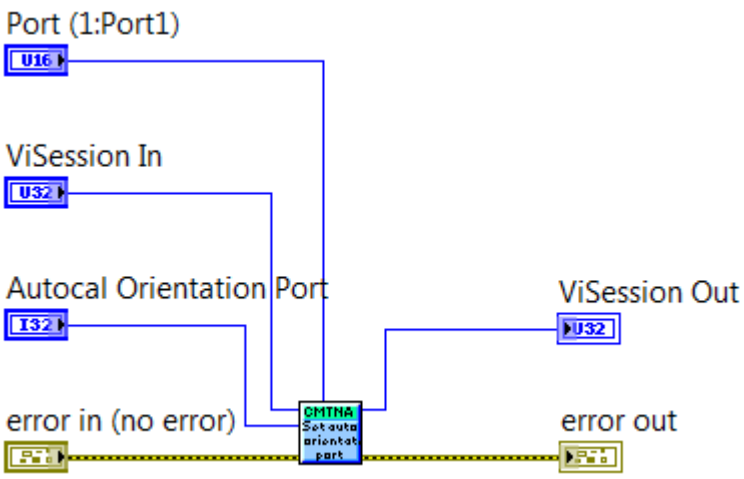
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set AutoCal Orientation Port

Description

Sets the AutoCal module port number which is connected to a specified port of Network Analyzer.



Port (1:Port1)

Specifies the port for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Autocal Orientation Port

The AutoCal module port number.

Valid list of values:

0: Port A

1: Port B

2: Port C

3: Port D

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



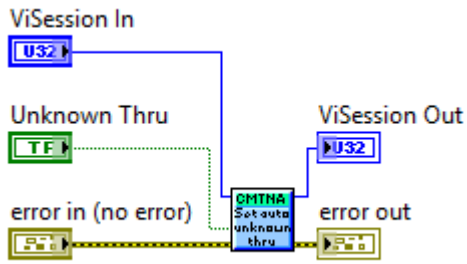
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set AutoCal Unknown Thru

Description

Turns ON/OFF the Unknown Thru feature when the AutoCal Module calibration is executed.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Unknown Thru

The state of the Unknown Thru feature.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

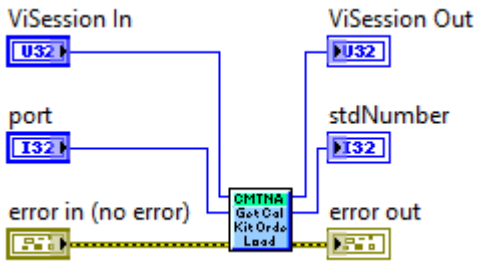
Cal Kit

Specify CLSs

Get Cal Kit Order Load

Description

Gets the number of the calibration standard of the load type, used for the measurement of the specified port.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

port

The number of port from which the measurement is performed.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

stdNumber

The number of the calibration standard.

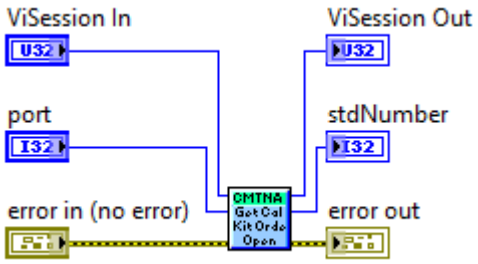
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Cal Kit Order Open

Description

Gets the number of the calibration standard of the open type, used for the measurement of the specified port.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

port

The number of port from which the measurement is performed.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

stdNumber

The number of the calibration standard.

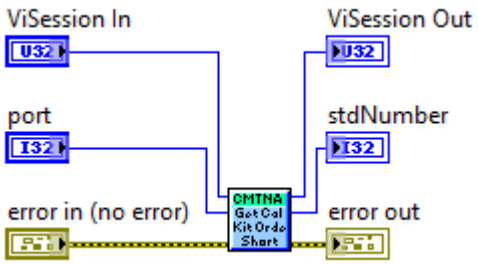
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Cal Kit Order Short

Description

Gets the number of the calibration standard of the short type, used for the measurement of the specified port.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

port

The number of port from which the measurement is performed.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

stdNumber

The number of the calibration standard.

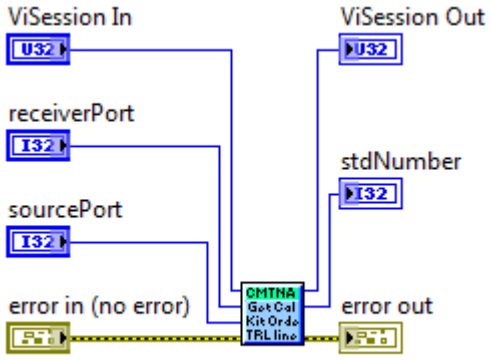
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Cal Kit Order TRL Line

Description

Gets the number of the calibration standard of the TRL line type, used for the measurement between the source and receiver ports.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

receiverPort

The number of port from which the measurement is performed.

souscePort

The number of port which is the source.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



stdNumber

The number of the calibration standard.



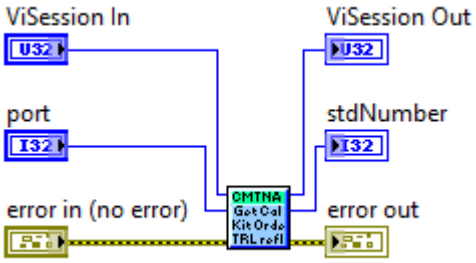
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Cal Kit Order TRL Reflect

Description

Gets the number of the calibration standard of the TRL Reflect type, used for the measurement of the specified port.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

port

The number of port from which the measurement is performed.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

stdNumber

The number of the calibration standard.

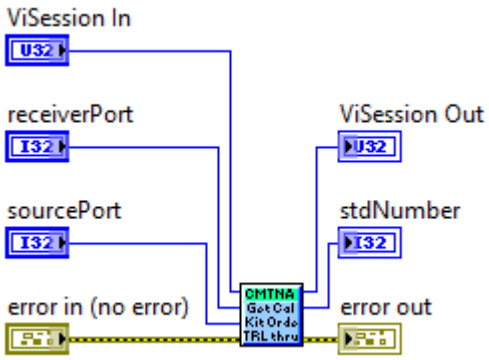
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Cal Kit Order TRL Thru

Description

Gets the number of the calibration standard of the TRL thru type, used for the measurement between the source and receiver ports.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

receiverPort

The number of port from which the measurement is performed.

souscePort

The number of port which is the source.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

stdNumber

The number of the calibration standard.



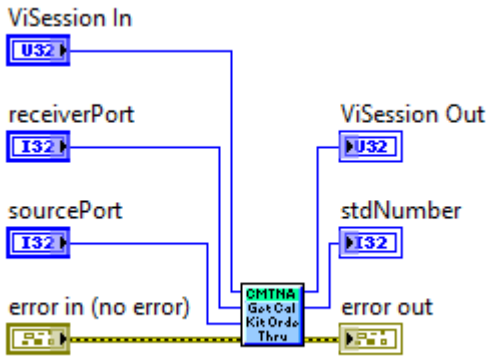
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Cal Kit Order Thru

Description

Gets the number of the calibration standard of the thru type, used for the measurement between the source and receiver ports.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

receiverPort

The number of port from which the measurement is performed.

souscePort

The number of port which is the source.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

stdNumber

The number of the calibration standard.



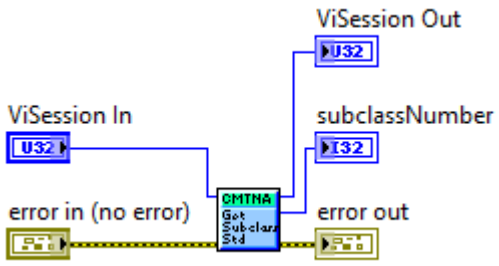
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Subclass Std Order

Description

Gets the subclass used to specify classes of calibration standards.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

subclassNumber

The subclass number of the calibration standard.

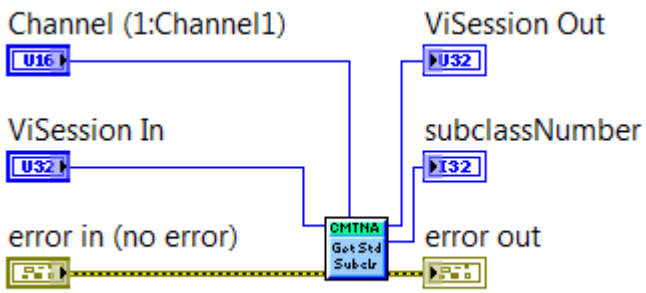
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Std Subclass Number

Description

Gets the subclass number of calibration standard used for measurement by the subsequent function Perform Calibration Action.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

subclassNumber

The subclass number of the calibration standard from 1 to 8.



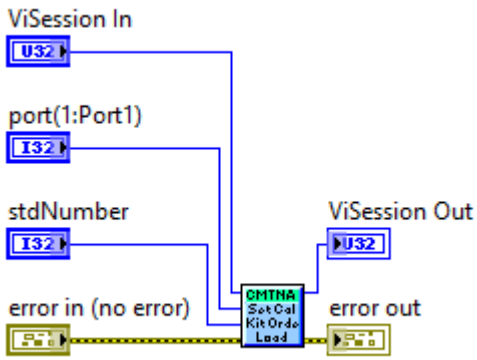
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Cal Kit Order Load

Description

Sets the number of the calibration standard of the load type, used for the measurement of the specified port.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

port (1:Port1)

The number of port from which the measurement is performed.

stdNumber

The number of the calibration standard.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



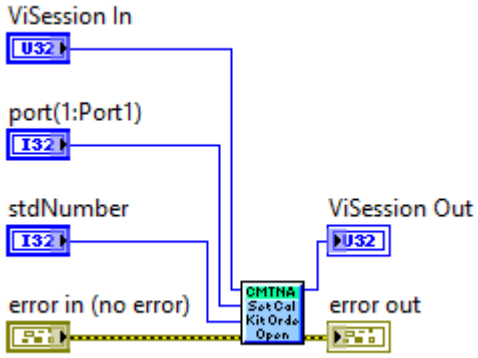
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Cal Kit Order Open

Description

Sets the number of the calibration standard of the open type, used for the measurement of the specified port.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

port (1:Port1)

The number of port from which the measurement is performed.

stdNumber

The number of the calibration standard.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



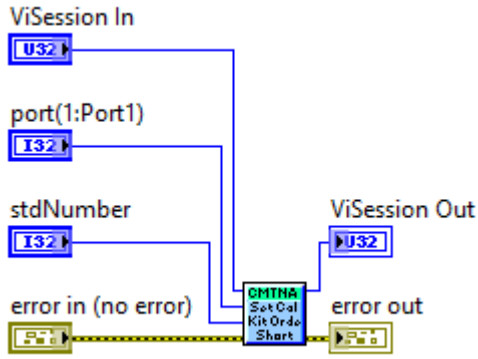
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Cal Kit Order Short

Description

Sets the number of the calibration standard of the short type, used for the measurement of the specified port.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

port (1:Port1)

The number of port from which the measurement is performed.

stdNumber

The number of the calibration standard.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



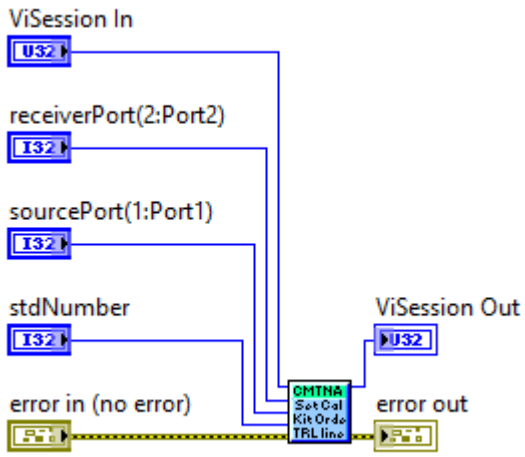
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Cal Kit Order TRL Line

Description

Sets the number of the calibration standard of the TRL line type, used for the measurement between the source and receiver ports.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

receiverPort(2:Port2)

The number of port from which the measurement is performed.

sourcePort(1:Port1)

The number of port which is the source.

stdNumber

The number of the calibration standard.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



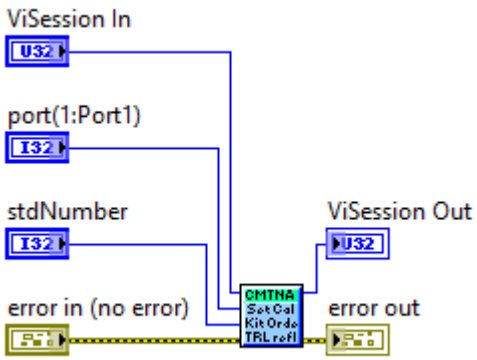
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Cal Kit Order TRL Reflect

Description

Sets the number of the calibration standard of the TRL Reflect type, used for the measurement of the specified port.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

port (1:Port1)

The number of port from which the measurement is performed.

stdNumber

The number of the calibration standard.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



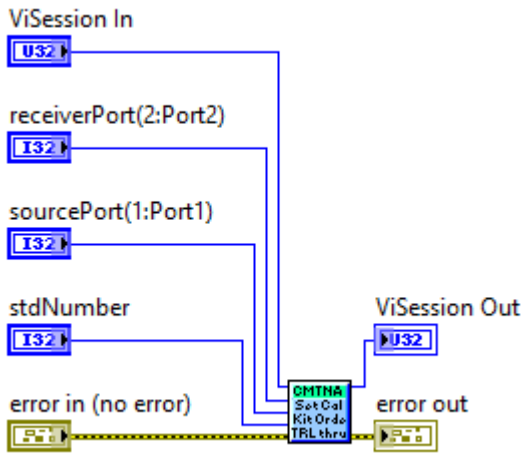
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Cal Kit Order TRL Thru

Description

Sets the number of the calibration standard of the TRL thru type, used for the measurement between the source and receiver ports.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

receiverPort(2:Port2)

The number of port from which the measurement is performed.

sourcePort(1:Port1)

The number of port which is the source.

stdNumber

The number of the calibration standard.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



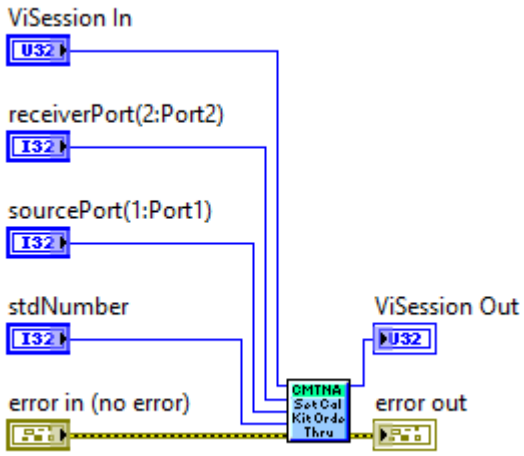
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Cal Kit Order Thru

Description

Sets the number of the calibration standard of the thru type, used for the measurement between the source and receiver ports.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

receiverPort(2:Port2)

The number of port from which the measurement is performed.

sourcePort(1:Port1)

The number of port which is the source.

stdNumber

The number of the calibration standard.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



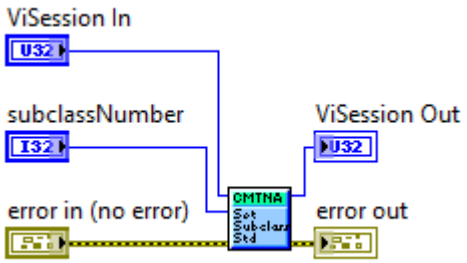
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Subclass Std Order

Description

Sets the subclass used to specify classes of calibration standards.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

subclassNumber

The subclass number of the calibration standard.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

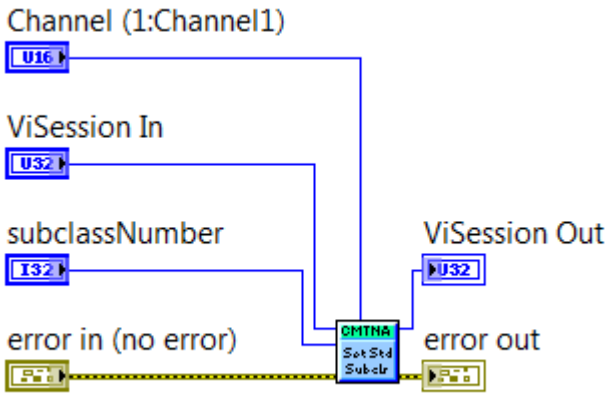
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Std Subclass Number

Description

Sets the subclass number of calibration standard used for measurement by the subsequent function Perform Calibration Action.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

subclassNumber

The subclass number of the calibration standard from 1 to 8..

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

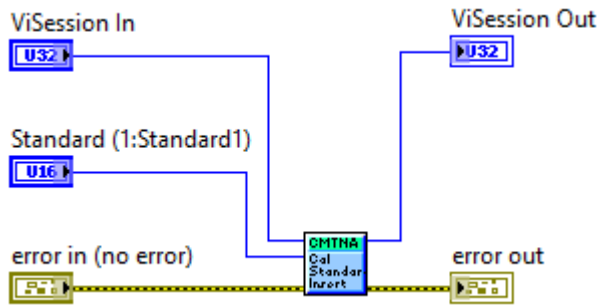
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Define STDs

Cal Standard Insert

Description

Inserts the calibration standard into the selected calibration kit. The existing standards with indices greater than or equal to inserted standard are shifted by +1.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Standard (1:Standard1)

Specifies the standard for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

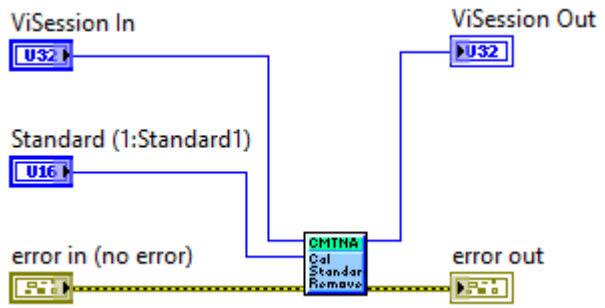
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Cal Standard Remove

Description

Deletes the calibration standard into the selected calibration kit. The existing standards with indices greater than inserted standard are shifted by –1.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Standard (1:Standard1)

Specifies the standard for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

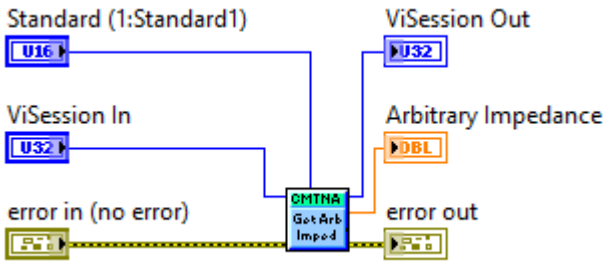
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Cal Kit Standard Arbitrary

Description

Gets the value of the arbitrary impedance for the load standard. The value is expressed in Ohm (Ω).



Standard (1:Standard1)

Specifies the standard for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Arbitrary Impedance

The value of the arbitrary impedance for the load standard.

error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Cal Kit Standard Cx

Description

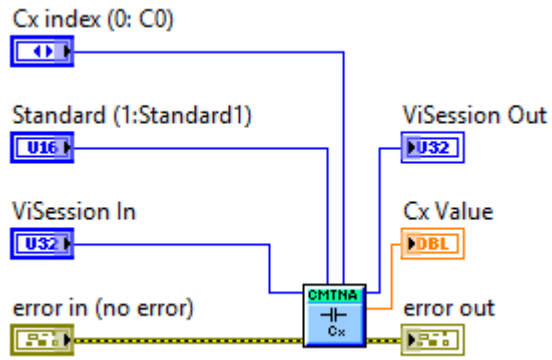
Gets the Cx value for the open calibration standard:

C0 - the value is expressed in Farad (F);

C1 -the value is expressed in Farad/Hertz (F/Hz);

C2 - the value is expressed in Farad/Hertz^2 (F/Hz^2);

C3 - the value is expressed in Farad/Hertz^3 (F/Hz^3).



Cx index (0:C0)

The polynomial coefficients.

Valid list of values:

0: C0

1: C1

2: C2

3: C3

Standard (1:Standard1)

Specifies the standard for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Cx Value

The Cx value for the open calibration standard.



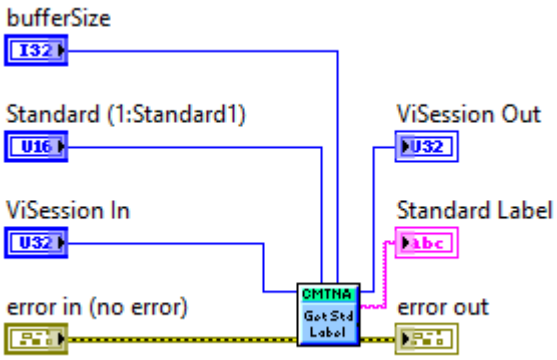
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Cal Kit Standard Label

Description

Gets the label for the calibration standard.



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bufferSize

Specifies the size of the buffer into which to acquire the error message.

Standard (1:Standard1)

Specifies the standard for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Standard Label

The label for the calibration standard.



error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Cal Kit Standard Lx

Description

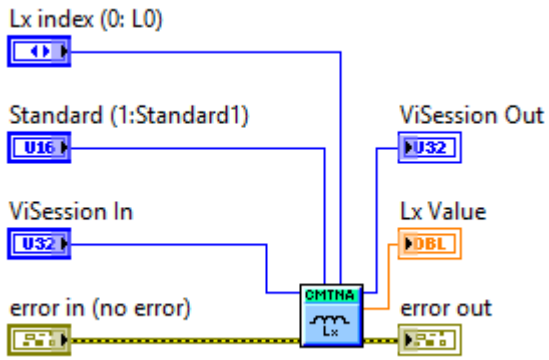
Gets the Lx value for the open calibration standard:

L0 - the value is expressed in Henry (H);

L1 -the value is expressed in Henry/Hertz (H/Hz);

L2 - the value is expressed in Henry/Hertz^2 (H/$^{Hz2)}$;

L3 - the value is expressed in Henry/Hertz^3 (H/Hz^3).



Lx index (0:L0)

The polynomial coefficients.

Valid list of return values:

0: L0

1: L1

2: L2

3: L3

Standard (1:Standard1)

Specifies the standard for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Lx Value

The Lx value for the open calibration standard.



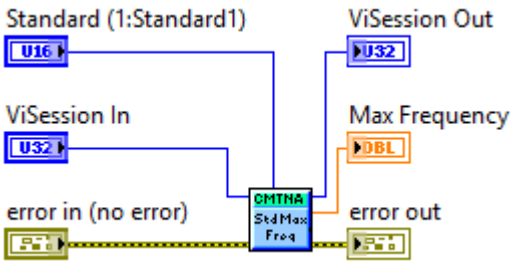
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Cal Kit Standard Max Frequency

Description

Gets the maximum frequency limit of the calibration standard. The value is expressed in hertz (Hz).



Standard (1:Standard1)

Specifies the standard for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Max Frequency

The maximum frequency limit of the calibration standard.

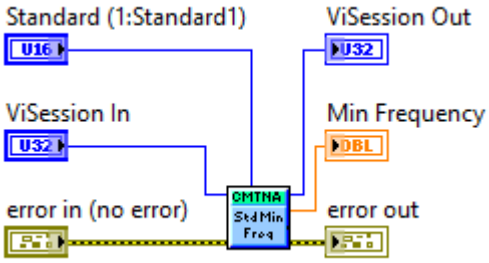
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Cal Kit Standard Min Frequency

Description

Gets the minimum frequency limit of the calibration standard. The value is expressed in hertz (Hz).



Standard (1:Standard1)

Specifies the standard for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Min Frequency

The minimum frequency limit of the calibration standard.

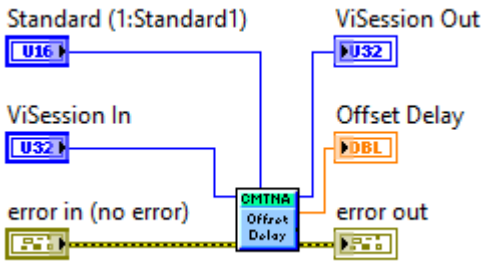
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Calkit Standard Offset Delay

Description

Gets the offset delay value for the calibration standard. The value is expressed in seconds (sec).



Standard (1:Standard1)

Specifies the standard for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Offset Delay

The offset delay value for the calibration standard.

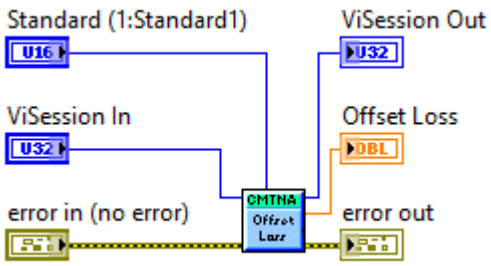
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Cal Kit Standard Offset Loss

Description

Gets the offset loss value for the calibration standard. The value is expressed in Ohm/seconds (Ω/sec).



Standard (1:Standard1)

Specifies the standard for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Offset Loss

The offset loss value for the calibration standard.

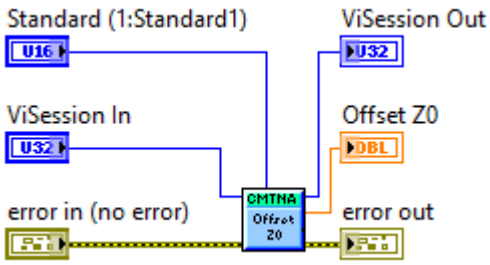
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Cal Kit Standard Offset Z0

Description

Gets the offset Z0 value for the calibration standard. The value is expressed in Ohm (Ω).



Standard (1:Standard1)

Specifies the standard for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Offset Z0

The offset Z0 value for the calibration standard.

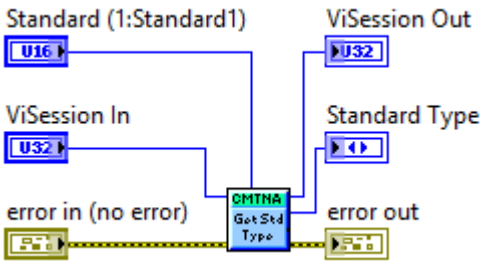
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Cal Kit Standard Type

Description

Gets the type of calibration standard.



Standard (1:Standard1)

Specifies the standard for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Standard Type

The type of calibration standard.

Valid list of return values:

0: Open

1: Short

2: Load

3: Thru

4: Unknown Thru

5: Sliding Load

6: Data Based

7: Not defined



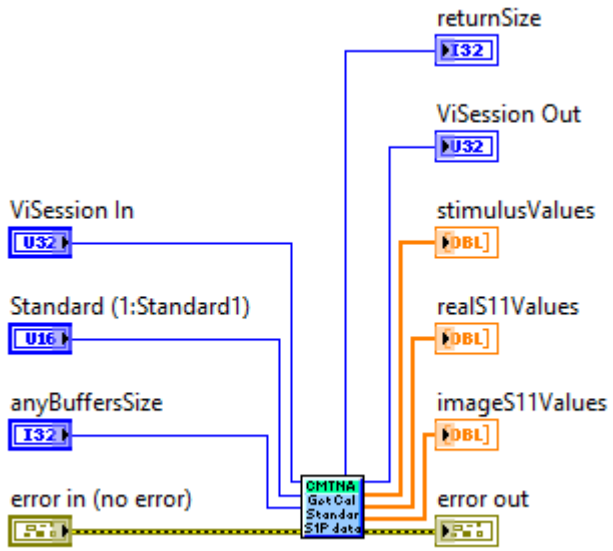
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Cal Standard S1P Data

Description

Gets the data array of the data-based calibration standard. The first element of the array is 1 and determines the number of ports of the calibration standard.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Standard (1:Standard1)

Specifies the standard for which this operation is targeted.

anyBuffersSize

The size of the arrays to hold in the **stimulus Values, real S11 Values, image S11 Values** parameters.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



returnSize

The actual number of elements filled by the query.



ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



stimulusValues

The array of stimulus value.



realS11Values

The array of value real part S11.



imageS11Values

The array of value image part S11.



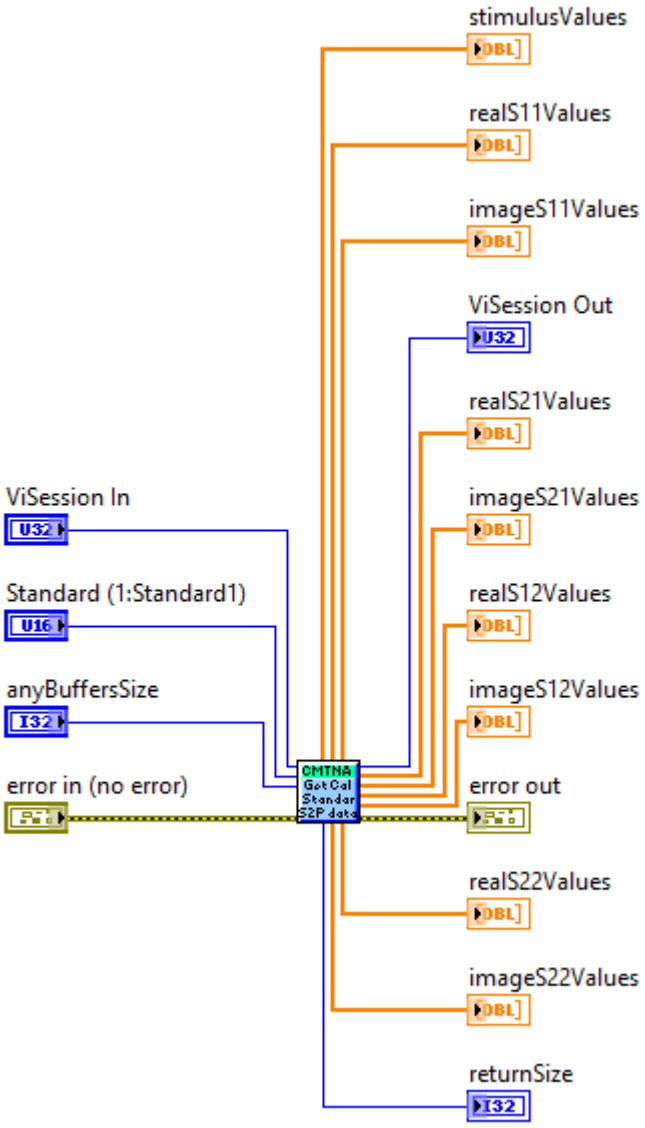
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Cal Standard S2P Data

Description

Gets the data array of the data-based calibration standard. The first element of the array is 2 and determines the number of ports of the calibration standard.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Standard (1:Standard1)

Specifies the standard for which this operation is targeted.



anyBuffersSize

The size of the arrays to hold in the **stimulus Values, real S11 Values, image S11 Values, real S21 Values, image S21 Values, real S12 Values, image S12 Values, real S22 Values, image S22 Values** parameters.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



stimulusValues

The array of stimulus value.



realS11Values

The array of value real part S11.



imageS11Values

The array of value image part S11.



ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



realS21Values

The array of value real part S21.



imageS21Values

The array of value image part S21.



realS12Values

The array of value real part S12.

imageS12Values

The array of value image part S12.

error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

real S22 Values

The array of value real part S22.

image S22 Values

The array of value image part S22.

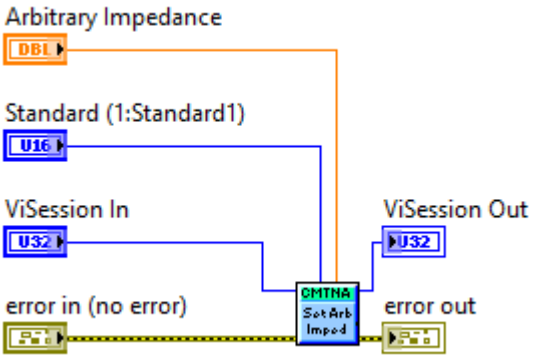
returnSize

The actual number of elements filled by the query.

Set Cal Kit Standard Arbitrary

Description

Sets the value of the arbitrary impedance for the load standard. The value is expressed in Ohm (Ω).



Arbitrary Impedance

The value of the arbitrary impedance for the load standard.

Standard (1:Standard1)

Specifies the standard for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Cal Kit Standard Cx

Description

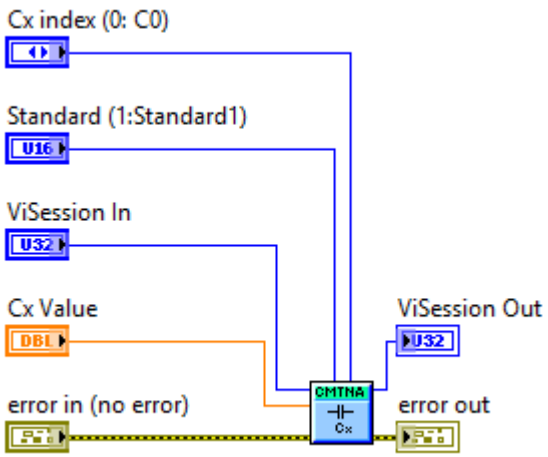
Sets the Cx value for the open calibration standard:

C0 - the value is expressed in Farad (F);

C1 -the value is expressed in Farad/Hertz (F/Hz);

C2 - the value is expressed in Farad/Hertz^2 (F/Hz^2);

C3 - the value is expressed in Farad/Hertz^3 (F/Hz^3).



Cx index (0:C0)

The polynomial coefficients.

Valid list of values:

0: C0

1: C1

2: C2

3: C3

Standard (1:Standard1)

Specifies the standard for which this operation is targeted.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Cx Value

The Cx value for the open calibration standard.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



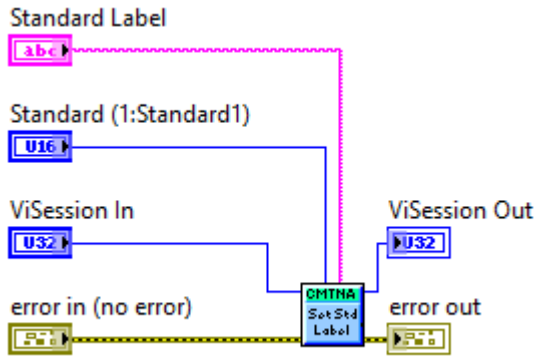
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Cal Kit Standard Label

Description

Sets the label for the calibration standard.



Standard Label

The label for the calibration standard.

Standard (1:Standard1)

Specifies the standard for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Cal Kit Standard Lx

Description

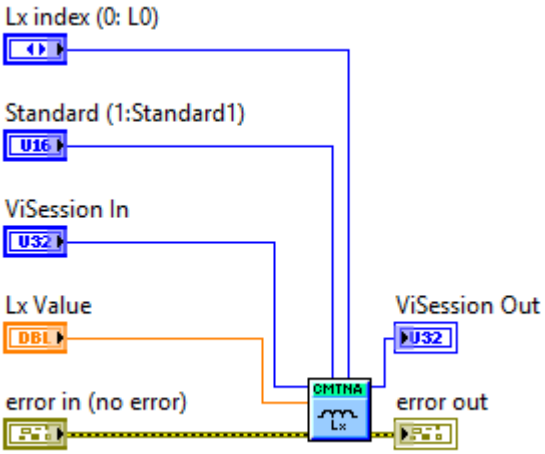
Sets the Lx value for the open calibration standard:

L0 - the value is expressed in Henry (H);

L1 -the value is expressed in Henry/Hertz (H/Hz);

L2 - the value is expressed in Henry/Hertz^2 (H/Hz^2);

L3 - the value is expressed in Henry/Hertz^3 (H/Hz^3).



Lx index (0:L0)

The polynomial coefficients.

Valid list of return values:

0: L0

1: L1

2: L2

3: L3

Standard (1:Standard1)

Specifies the standard for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Lx Value

The Lx value for the open calibration standard.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



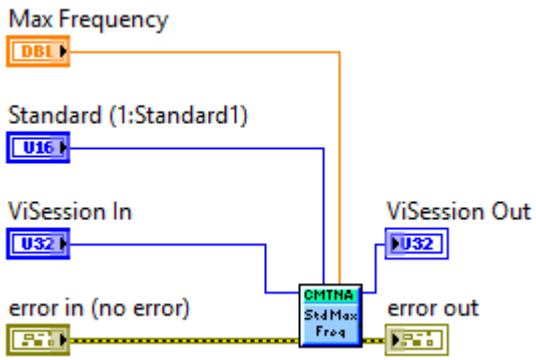
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Cal Kit Standard Max Frequency

Description

Sets the maximum frequency limit of the calibration standard. The value is expressed in hertz (Hz).



Max Frequency

The maximum frequency limit of the calibration standard.

Standard (1:Standard1)

Specifies the standard for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



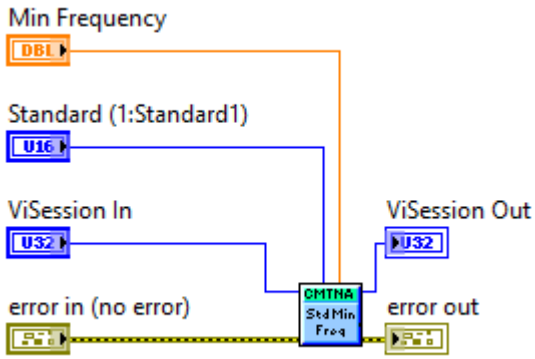
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Cal Kit Standard Min Frequency

Description

Sets the minimum frequency limit of the calibration standard. The value is expressed in hertz (Hz).



Min Frequency

The minimum frequency limit of the calibration standard.

Standard (1:Standard1)

Specifies the standard for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



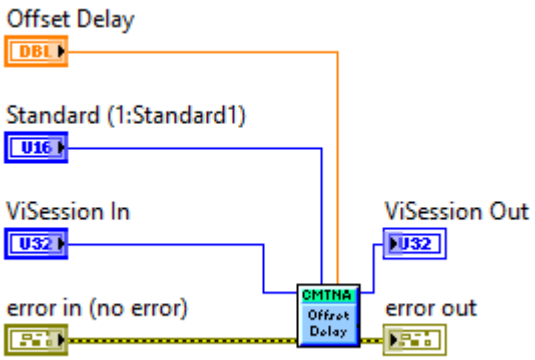
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Cal Kit Standard Offset Delay

Description

Sets the offset delay value for the calibration standard. The value is expressed in seconds (sec).



Offset Delay

The offset delay value for the calibration standard.

Standard (1:Standard1)

Specifies the standard for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

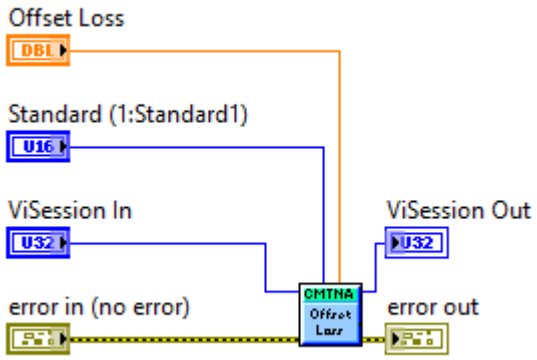
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Cal Kit Standard Offset Loss

Description

Sets the offset loss value for the calibration standard. The value is expressed in Ohm/seconds (Ω/sec).



Offset Loss

The offset loss value for the calibration standard.

Standard (1:Standard1)

Specifies the standard for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



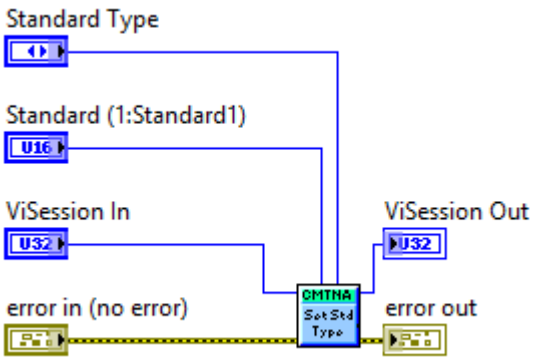
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Cal Kit Standard Type

Description

Sets the type of calibration standard.



Standard Type

The type of calibration standard.

Valid list of return values:

0: Open

1: Short

2: Load

3: Thru

4: Unknown Thru

5: Sliding Load

6: Data Based

7: Not defined

Standard (1:Standard1)

Specifies the standard for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



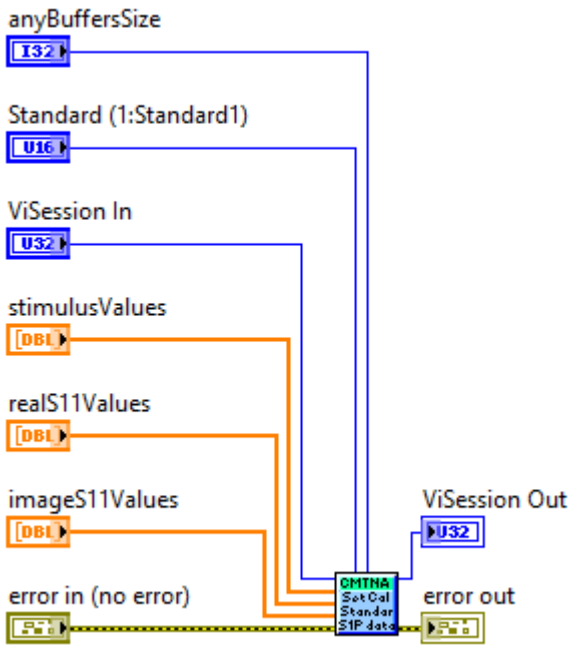
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Cal Standard S1P Data

Description

Sets the data array of the data-based calibration standard. The first element of the array is 1 and determines the number of ports of the calibration standard.



---

anyBuffersSize

The size of the arrays to hold in the **stimulus Values, real S11 Values, image S11 Values** parameters.

Standard (1:Standard1)

Specifies the standard for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

stimulusValues

The array of stimulus value.

realS11Values

The array of value real part S11.

imageS11Values

The array of value image part S11.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

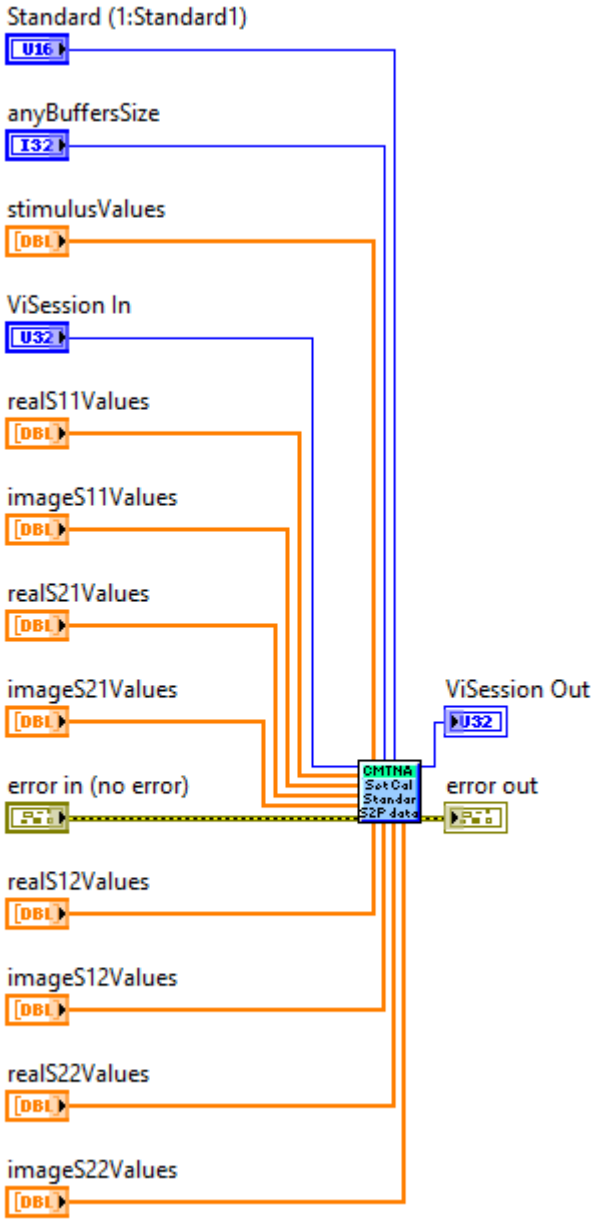
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Cal Standard S2P Data

Description

Sets the data array of the data-based calibration standard. The first element of the array is 2 and determines the number of ports of the calibration standard.



Standard (1:Standard1)

Specifies the standard for which this operation is targeted.

anyBuffersSize

The size of the arrays to hold in the **stimulus Values, real S11 Values, image S11 Values, real S21 Values, image S21 Values, real S12 Values, image S12 Values, real S22 Values, image S22 Values** parameters.



stimulusValues

The array of stimulus value.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



realS11Values

The array of value real part S11.



imageS11Values

The array of value image part S11.



realS21Values

The array of value real part S21.



imageS21Values

The array of value image part S21.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



realS12Values

The array of value real part S12.



imageS12Values

The array of value image part S12.



realS22Values

The array of value real part S22.



imageS22Values

The array of value image part S22.



ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



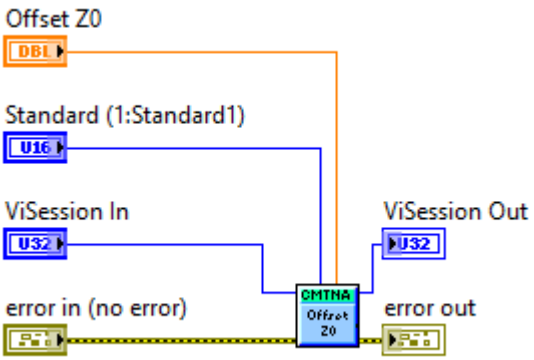
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Cal Kit Standard Offset Z0

Description

Sets the offset Z0 value for the calibration standard. The value is expressed in Ohm (Ω).



Offset Z0

The offset Z0 value for the calibration standard.

Standard (1:Standard1)

Specifies the standard for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

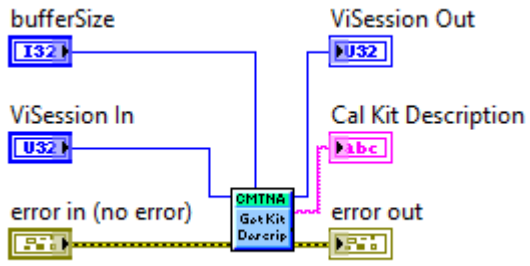
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Cal Kit Description

Description

Gets the calibration kit description string.



---

buffer Size

Specifies the size of the buffer into which to acquire the error message.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Cal Kit Description

The calibration kit description string.

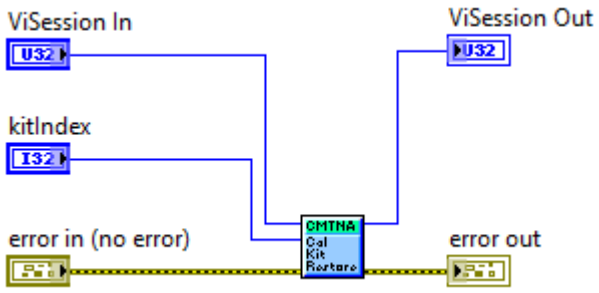
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Cal Kit Restore

Description

Resets the calibration kit to the factory settings. Restores the predefined calibration kit. Removes the user defined calibration kit.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

kitIndex

The index of the calibration kit.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

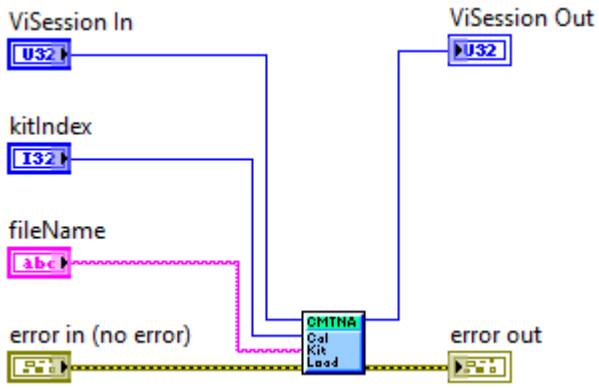
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Cal Kit Load From File

Description

Recalls the definition file for the calibration kit. The file must be saved by CmtNA Cal Kit Save To File.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

kitIndex

The index of the calibration kit.

fileName

The file path into which to save the data. If the full path of the file is not specified, the \CalKit subdirectory of the application directory will be searched for the file. The calibration kit definition file has *.ckd extension by default.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



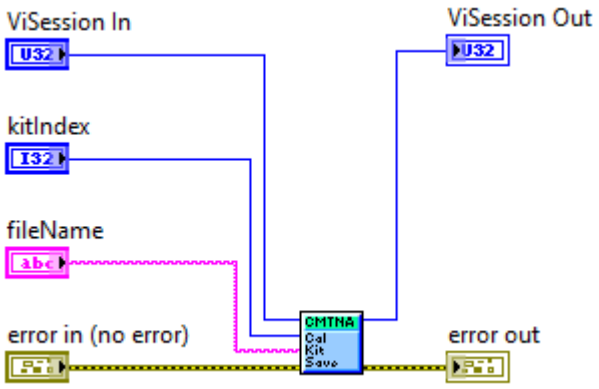
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Cal Kit Save To File

Description

Saves the definition file for the calibration kit.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

kitIndex

The index of the calibration kit.

fileName

The file path into which to save the data. If the full path of the file is not specified, the \CalKit subdirectory of the application directory will be searched for the file. The calibration kit definition file has *.ckd extension by default.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



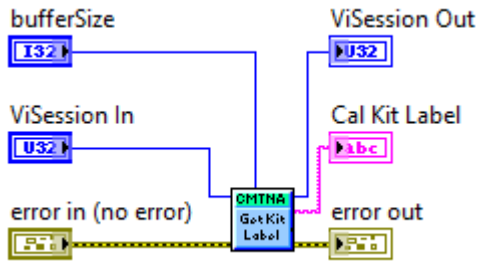
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Cal Kit Label

Description

Gets the calibration kit label.



---

buffer Size

Specifies the size of the buffer into which to acquire the error message.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Cal Kit Label

The calibration kit label.

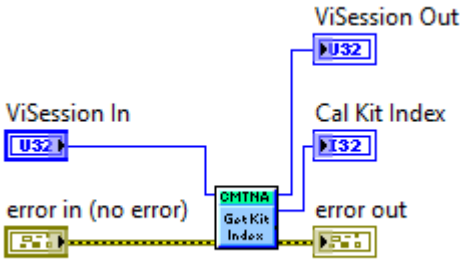
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Cal Kit Selected

Description

Gets the number of the selected calibration kit in the table of calibration kits.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Cal Kit Index

The number of the selected calibration kit.

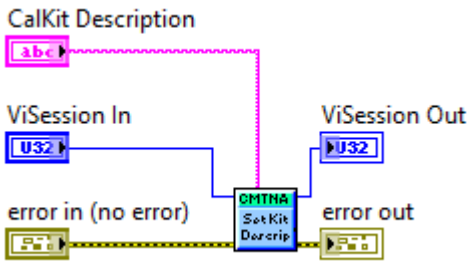
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Cal Kit Description

Description

Sets the calibration kit description string.



Cal Kit Description

The calibration kit description string.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

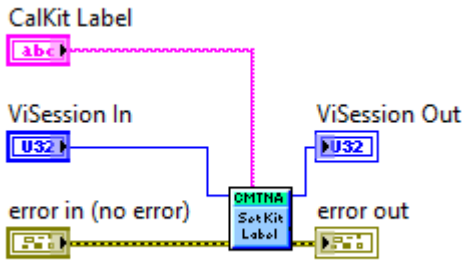
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Cal Kit Label

Description

Sets the calibration kit label.



Cal Kit Label

The calibration kit label.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

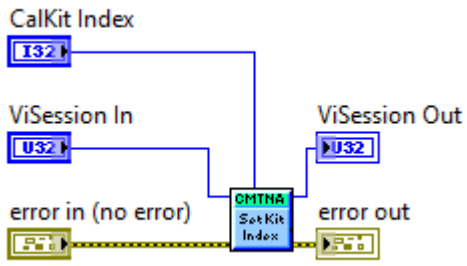
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Cal Kit Selected

Description

Sets the number of the selected calibration kit in the table of calibration kits.



Cal Kit Index

The number of the selected calibration kit.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error out

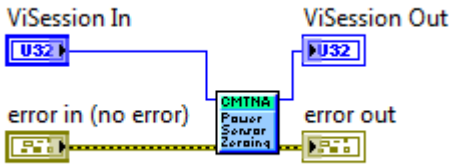
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Power Calibration

Power Sensor Zeroing

Description

Executes zeroing procedure of the power sensor. Although the Analyzer automatically turns off the RF power during this procedure, it is recommended to disconnect the power sensor from the analyzer port.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

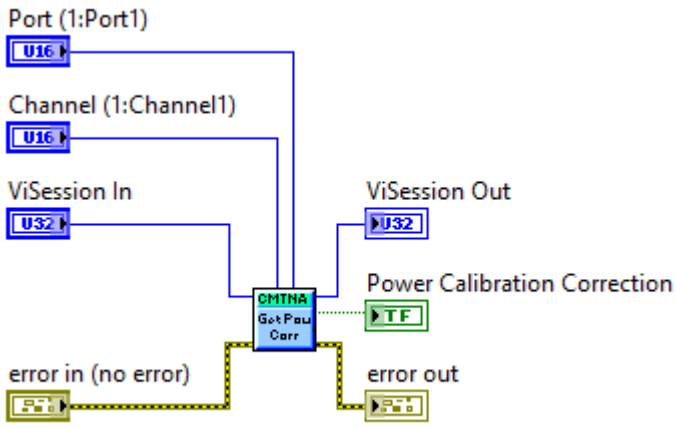
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Power Calibration Correction

Description

Turns ON/OFF the power correction.



Port (1:Port1)

Specifies the port for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Power Calibration Correction

The state of the power correction.



error out

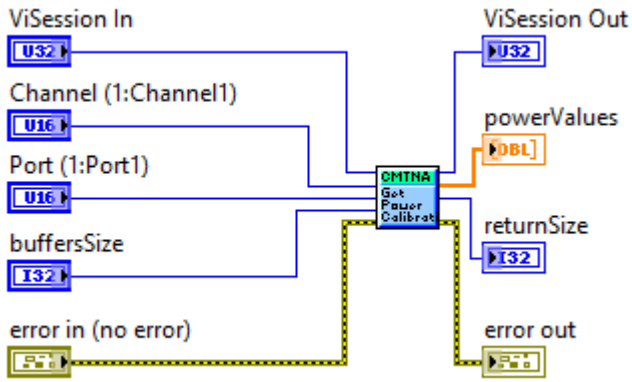
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Power Calibration Table

Description

Gets the power correction array.

The array size is NOP, where NOP is the number of measurement points.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the port for which this operation is targeted.

bufferSize

The size of the arrays to hold in the power Values parameter.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

powerValues

The array of the power correction value.

returnSize

The actual number of elements filled by the query.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error out

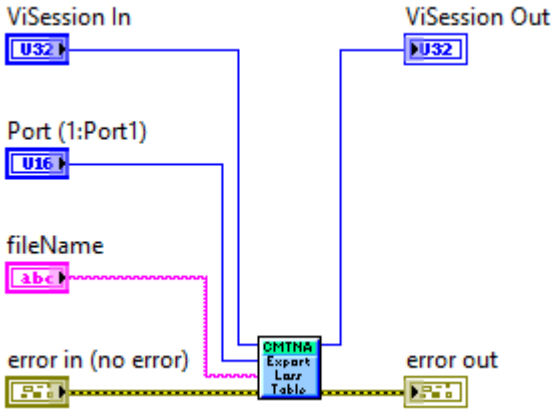
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Loss Compensation

Export Loss Table

Description

Saves the loss compensation table into a file.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Port (1:Port1)

Specifies the port for which this operation is targeted.

fileName

The file path into which to save the data. If the full path of the file is not specified, the \CalKit subdirectory of the application directory will be searched for the file. The loss compensation file has *.lct extension by default.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



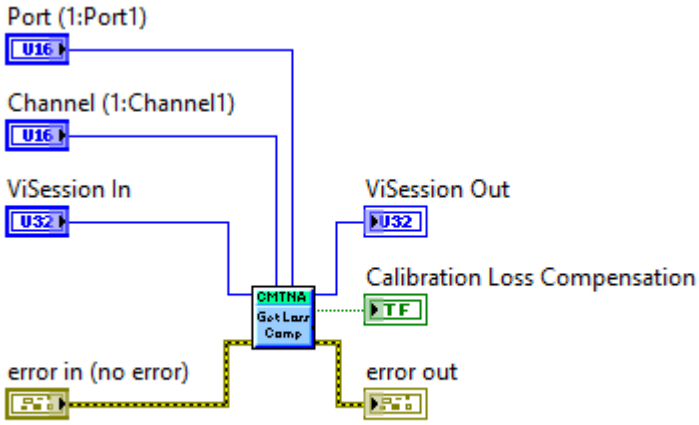
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Power Cal Loss Compensation

Description

Turns ON/OFF the state of the loss compensation used when the power calibration.



Port (1:Port1)

Specifies the port for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Calibration Loss Compensation

The state of the loss compensation.



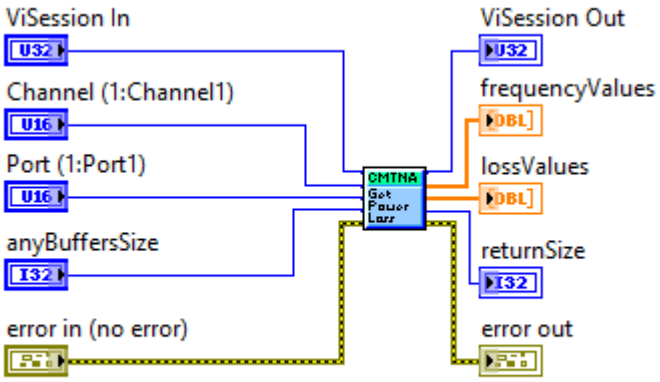
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Power Loss Compensation Table

Description

Gets the loss compensation table used when the power calibration.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the port for which this operation is targeted.

anyBufferSize

The size of the arrays to hold in the **frequency Values, loss Value** parameter.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

frequencyValues

The array of value of frequency.

lossValues

The array of value of the loss compensation (from –100 to +100 dB).

returnSize

The actual number of elements filled by the query.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

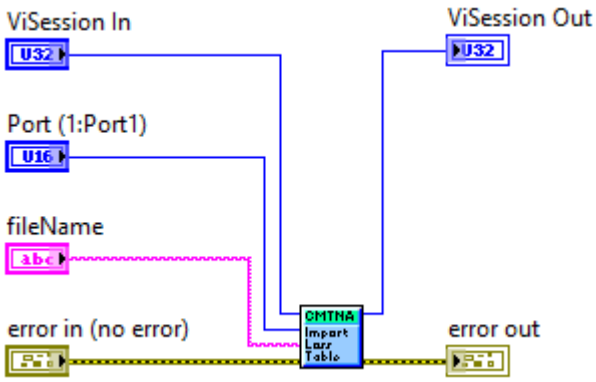
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Import Loss Table

Description

Recalls the loss compensation file.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Port (1:Port1)

Specifies the port for which this operation is targeted.

fileName

The file path into which to save the data. If the full path of the file is not specified, the \CalKit subdirectory of the application directory will be searched for the file. The loss compensation file has *.lct extension by default.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



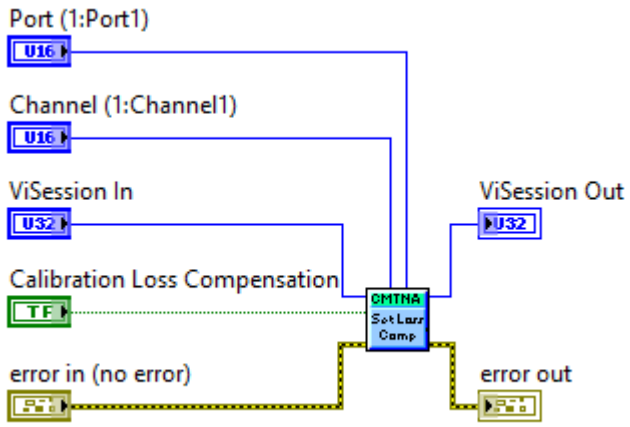
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Power Cal Loss Compensation

Description

Turns ON/OFF the state of the loss compensation used when the power calibration.



Port (1:Port1)

Specifies the port for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Calibration Loss Compensation

The state of the loss compensation.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



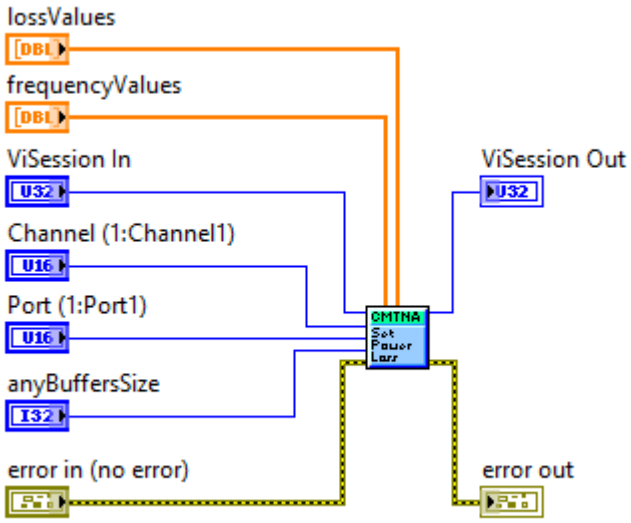
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Power Loss Compensation Table

Description

Sets the loss compensation table used when the power calibration.



---

lossValues

The array of value of the loss compensation (from –100 to +100 dB).

frequencyValues

The array of value of frequency.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the port for which this operation is targeted.

anyBufferSize

The size of the arrays to hold in the **frequency Values, loss Value** parameter.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



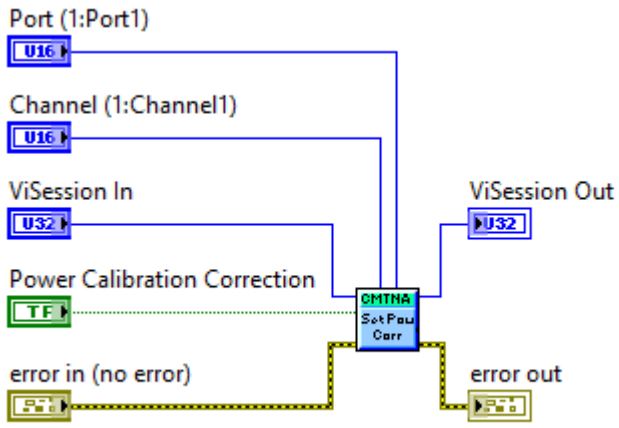
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Power Calibration Correction

Description

Turns ON/OFF the power correction.



Port (1:Port1)

Specifies the port for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Power Calibration Correction

The state of the power correction.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



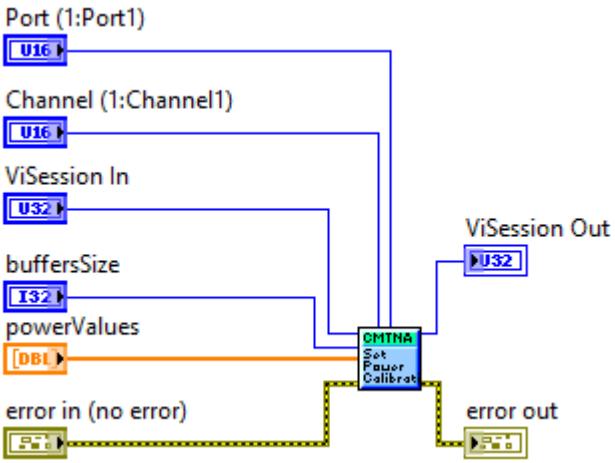
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Power Calibration Table

Description

Sets the power correction array. The array size is NOP, where NOP is the number of measurement points.



Port (1:Port1)

Specifies the port for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

bufferSize

The size of the arrays to hold in the **power Values** parameter.

powerValues

The array of the power correction value.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



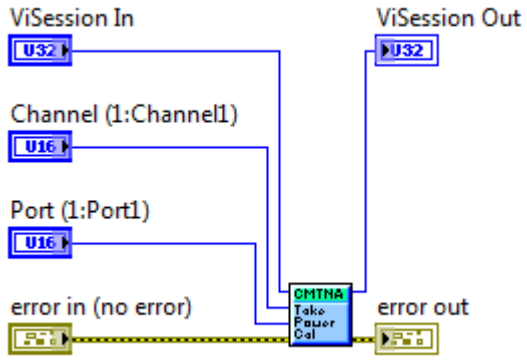
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Take Power Cal Sweep

Description

Measures the power calibration data for the port using the power meter controlled via USB or USB/GPIB. Calculates calibration coefficients on completion of the measurement, and turns ON the power correction for the port.



ViSession In

Identifies your instrument session. ViSession In is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the port for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. ViSession Out is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

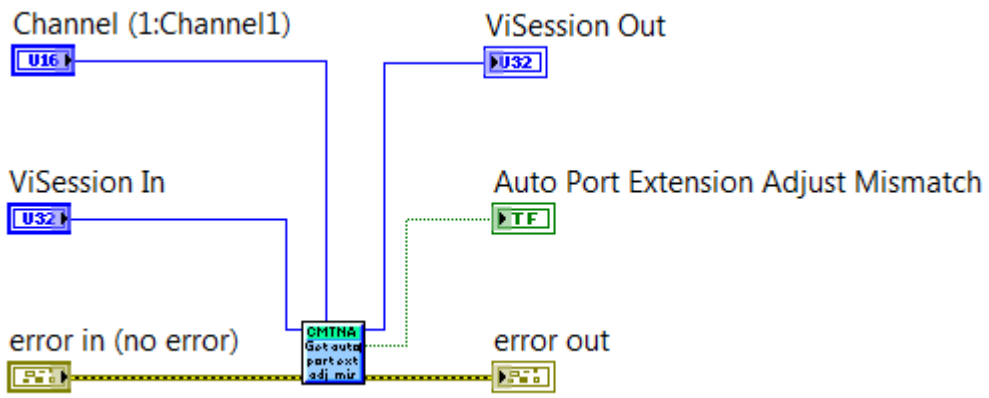
Port Extension

Auto Port Extension

Get Auto Port Extension Adjust Mismatch

Description

Turns ON/OFF the usage of "Loss at DC" value for the results of the auto port extension function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Auto Port Extension Adjust Mismatch

The usage of "Loss at DC" value for the results of the auto port extension function.



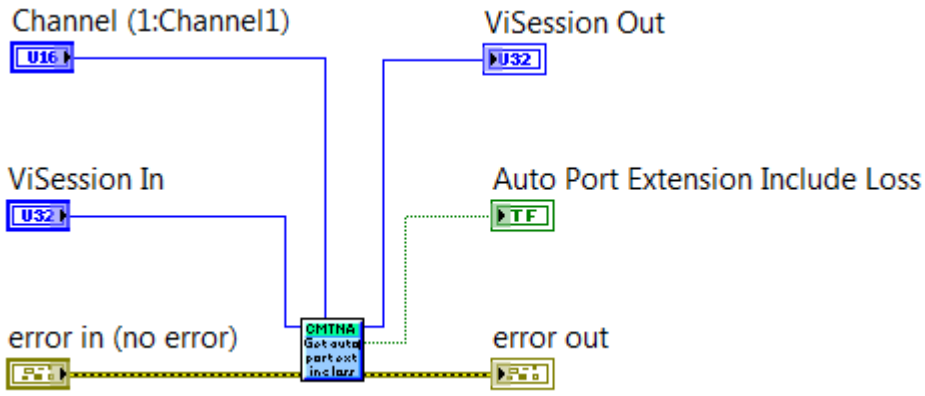
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Auto Port Extension Include Loss

Description

Turns ON/OFF the usage of "Loss1"and "Loss2" values for the results of the auto port extension function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Auto Port Extension Include Loss

The usage of "Loss1"and "Loss2" values for the results of the auto port extension function.



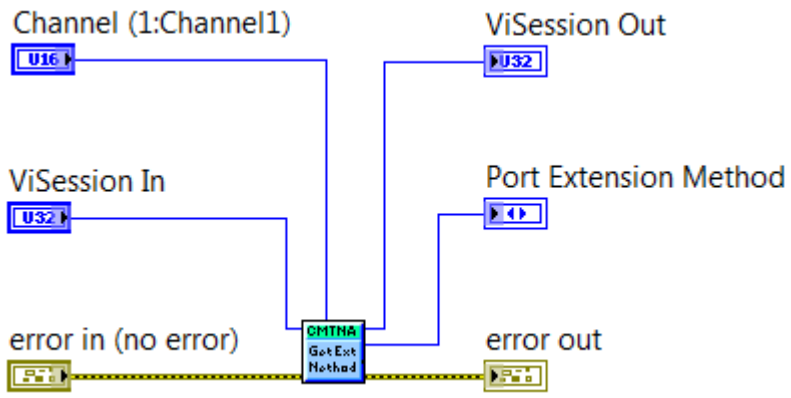
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Auto Port Extension Method

Description

Gets the frequency range used for calculation of the results of the Auto Port Extension function.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Port Extension Method

The frequency range used for calculation.

Valid list of return values:

0: Current Span

1: Active Marker

2: User Span



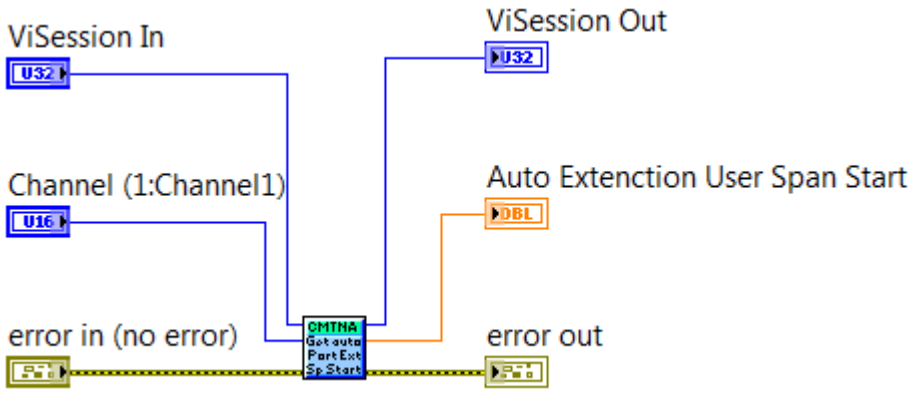
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Auto Port Extension User Span Start

Description

Gets the start value of the user span of the auto port extension function. The value is expressed in Hertz (Hz).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Auto Extension User Span Start

The start value of the user span.



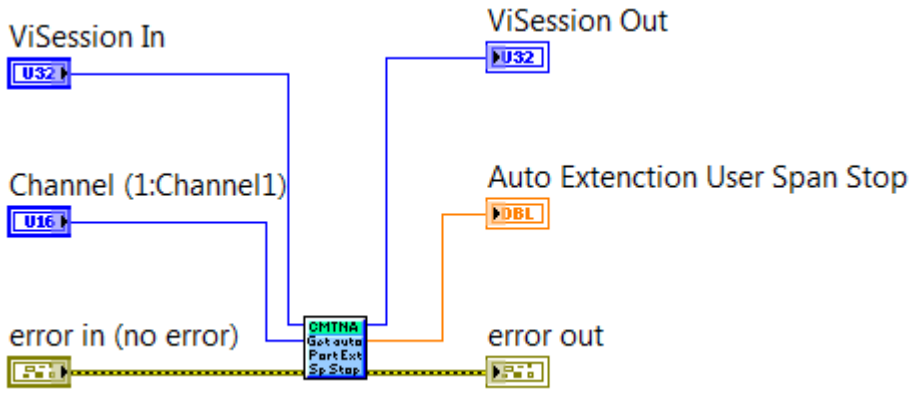
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Auto Port Extension User Span Stop

Description

Gets the stop value of the user span of the auto port extension function. The value is expressed in Hertz (Hz).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Auto Extension User Span Stop

The stop value of the user span.



error out

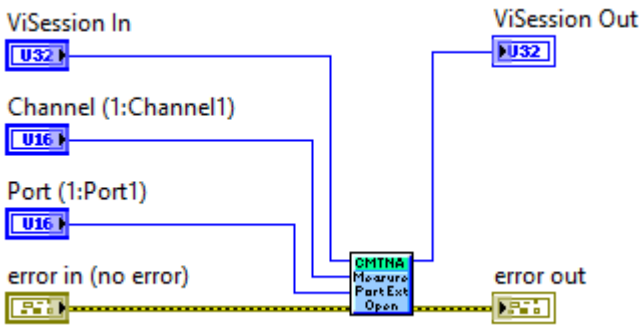
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Measure Port Extension Open

Description

Performs measurement of the standard "OPEN", automatically calculates and sets the parameters of the Port Extension.

When two consecutive measurements of "OPEN" is performed the results of these measurements are averaged.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the port for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

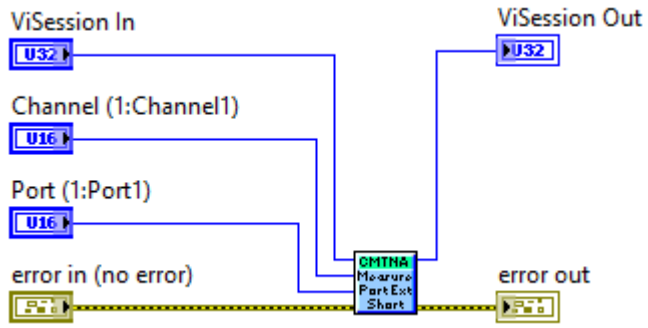
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Measure Port Extension Short

Description

Performs measurement of the standard "SHORT" automatically calculates and sets the parameters of the Port Extension.

When two consecutive measurements of "SHORT" is performed the results of these measurements are averaged.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the port for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



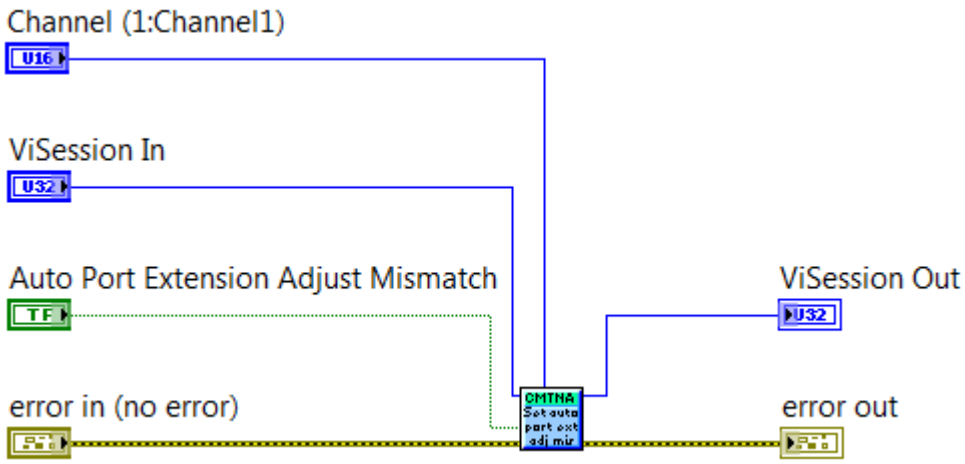
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Auto Port Extension Adjust Mismatch

Description

Turns ON/OFF the usage of "Loss at DC" value for the results of the auto port extension function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Auto Port Extension Adjust Mismatch

The usage of "Loss at DC" value for the results of the auto port extension function.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



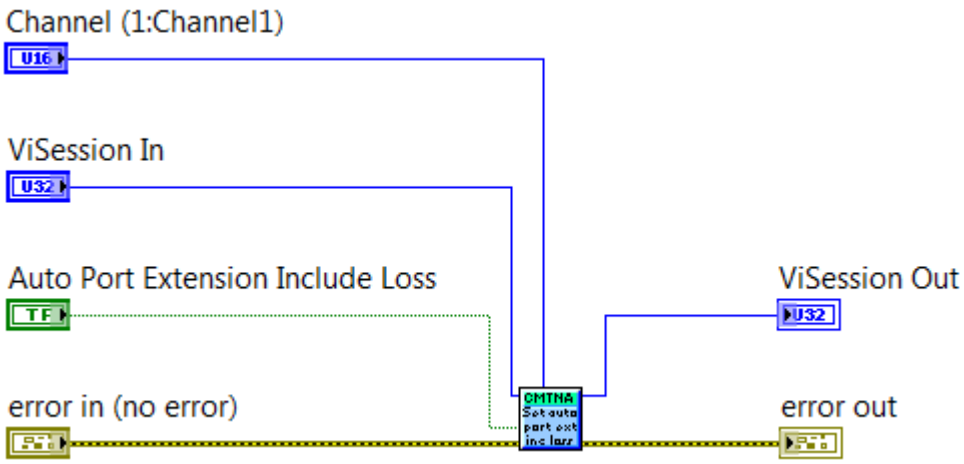
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Auto Port Extension Include Loss

Description

Turns ON/OFF the usage of "Loss1"and "Loss2" values for the results of the auto port extension function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Auto Port Extension Include Loss

The usage of "Loss1"and "Loss2" values for the results of the auto port extension function.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



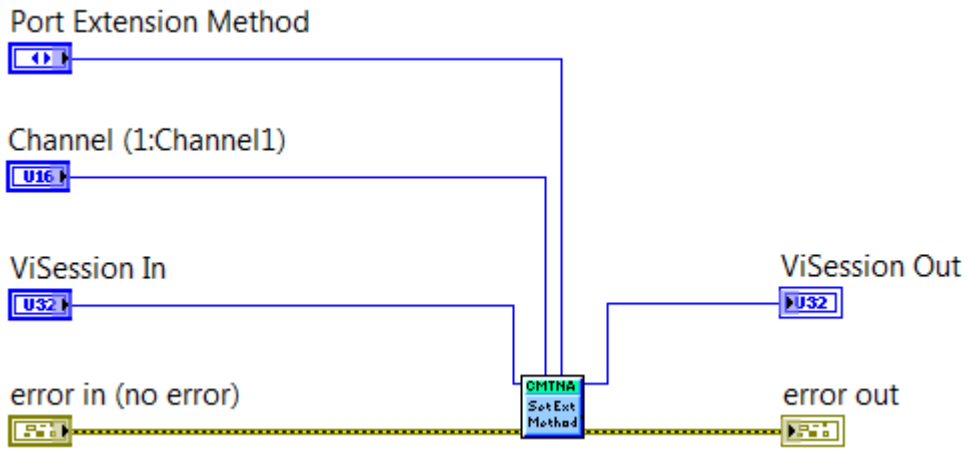
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Auto Port Extension Method

Description

Sets the frequency range used for calculation of the results of the Auto Port Extension function.



Port Extension Method

The frequency range used for calculation.

Valid list of values:

0: Current Span

1: Active Marker

2: User Span

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



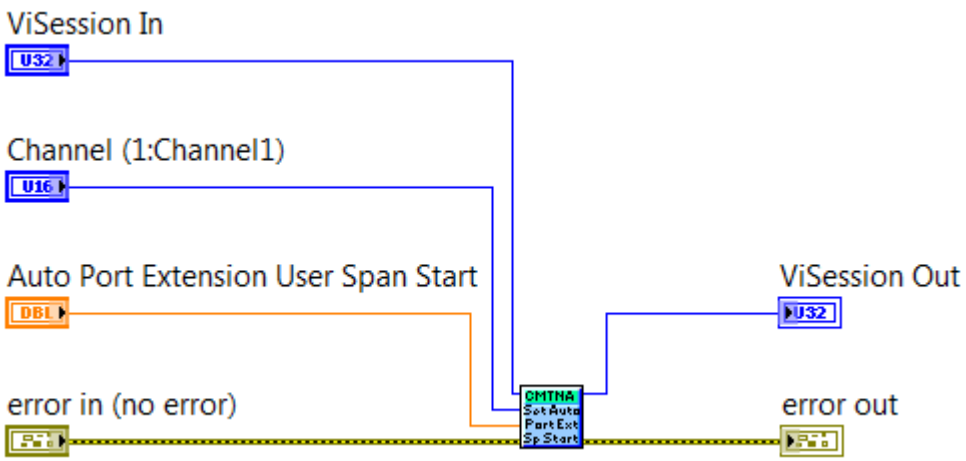
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Auto Port Extension User Span Start

Description

Sets the start value of the user span of the auto port extension function. The value is expressed in Hertz (Hz).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Auto Extension User Span Start

The start value of the user span.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



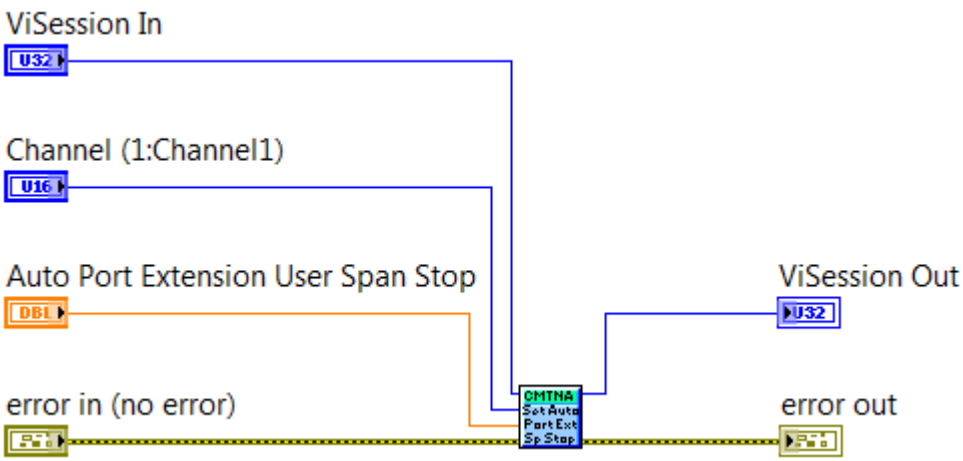
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Auto Port Extension User Span Stop

Description

Sets the stop value of the user span of the auto port extension function. The value is expressed in Hertz (Hz).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Auto Extension User Span Stop

The stop value of the user span.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



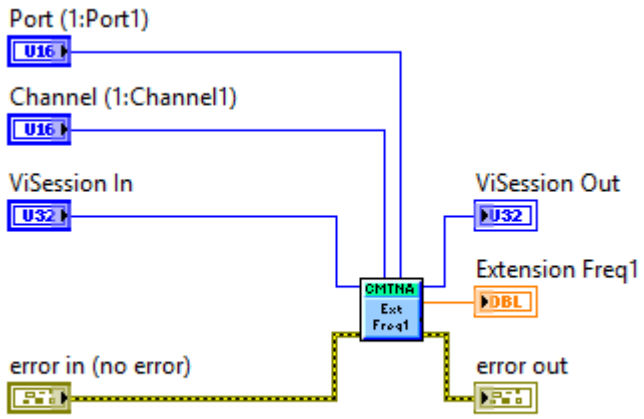
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Port Extension Freq1 Value

Description

Gets value of the frequency 1 to calculate the loss for the port extension function. The value is expressed in Hertz (Hz).



Port (1:Port1)

Specifies the port for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Extension Freq1

The value of the frequency 1.



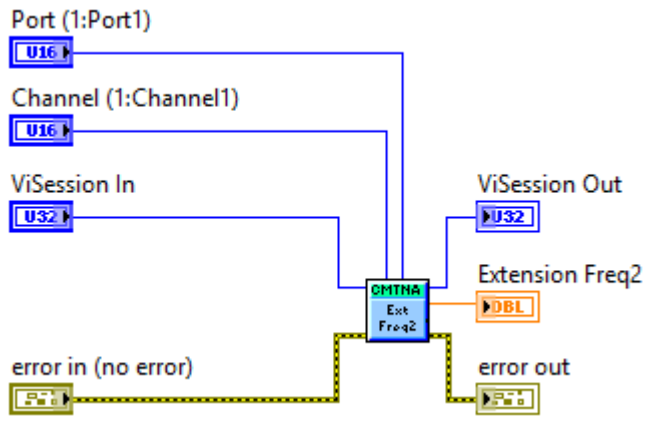
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Port Extension Freq2 Value

Description

Gets value of the frequency 2 to calculate the loss for the port extension function. The value is expressed in Hertz (Hz).



Port (1:Port1)

Specifies the port for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Extension Freq2

The value of the frequency 2.



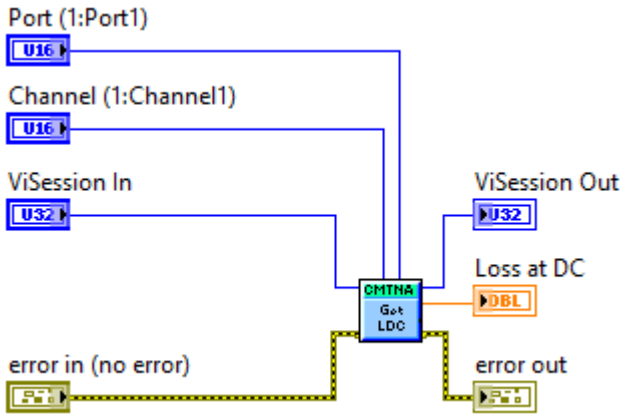
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Port Extension LDC

Description

Gets the loss value at DC for the port extension function. The value is expressed in decibels (dB).



Port (1:Port1)

Specifies the port for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Loss at DC

The loss value at DC.



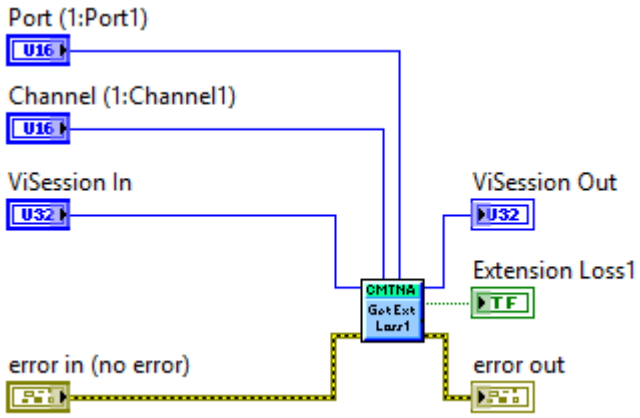
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Port Extension Loss1 State

Description

Turns ON/OFF the loss compensation of the loss 1 for the port extension function.



Port (1:Port1)

Specifies the port for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Extension Loss1

The state of the loss compensation of the loss 1 for the port extension function.



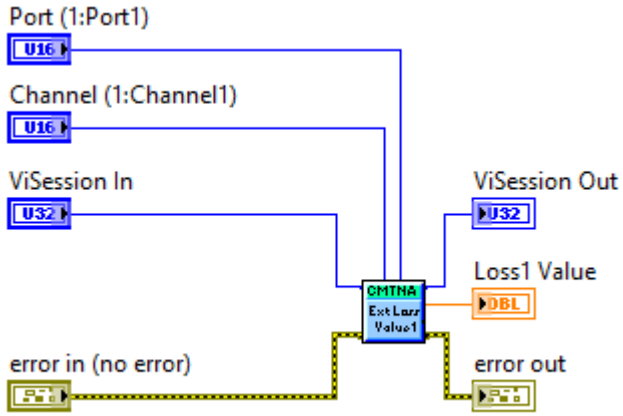
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Port Extension Loss1 Value

Description

Gets the values of the loss 1 for the port extension function. The value is expressed in decibels (dB).



Port (1:Port1)

Specifies the port for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Loss1 Value

The values of the loss 1.



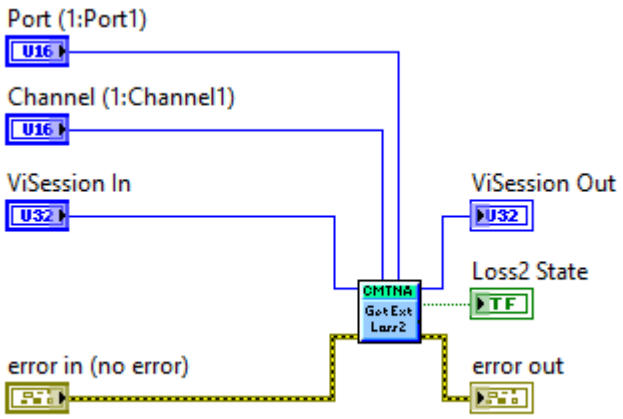
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Port Extension Loss2 State

Description

Turns ON/OFF the loss compensation of the loss 2 for the port extension function.



Port (1:Port1)

Specifies the port for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Loss2 State

The state of the loss compensation of the loss 2 for the port extension function.



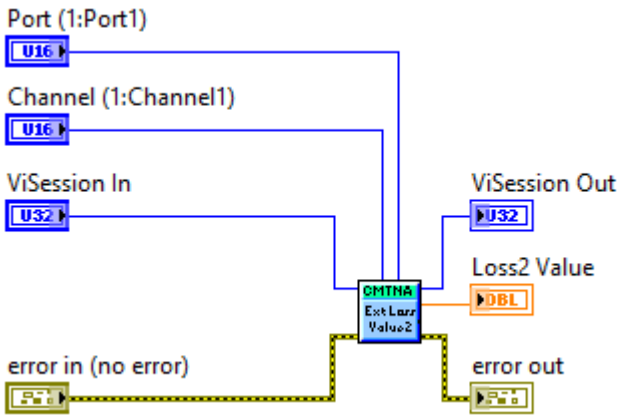
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Port Extension Loss2 Value

Description

Gets the values of the loss 2 for the port extension function. The value is expressed in decibels (dB).



Port (1:Port1)

Specifies the port for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Loss2 Value

The values of the loss 2.



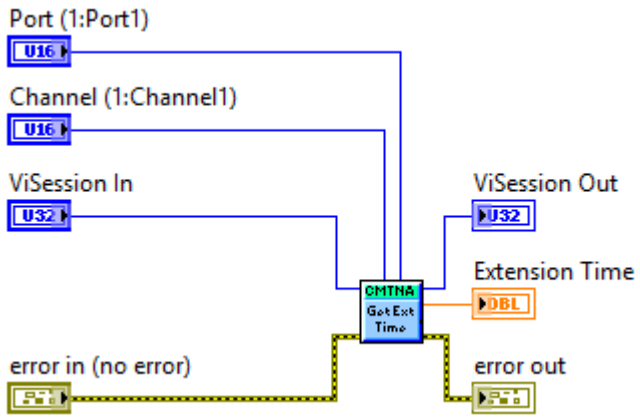
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Port Extension Time

Description

Gets the electrical delay value for the port extension function. The value is expressed in seconds (sec).



Port (1:Port1)

Specifies the port for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Extensions Time

The electrical delay value.



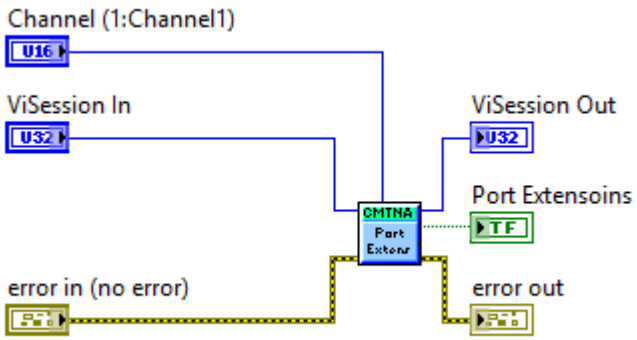
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Port Extensions

Description

Turns ON/OFF the port extension function.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Port Extensions

The state of the port extension function.

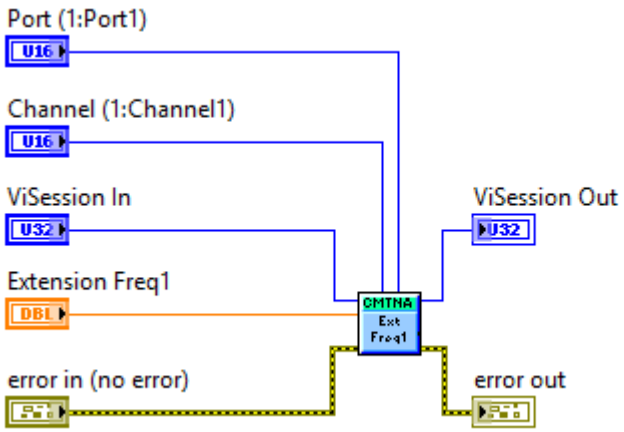
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Port Extension Freq1 Value

Description

Sets value of the frequency 1 to calculate the loss for the port extension function. The value is expressed in Hertz (Hz).



Port (1:Port1)

Specifies the port for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Extension Freq1

The value of the frequency 1.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



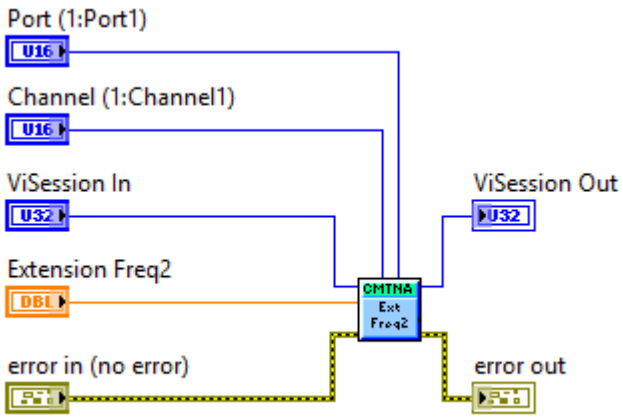
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Port Extension Freq2 Value

Description

Sets value of the frequency 2 to calculate the loss for the port extension function. The value is expressed in Hertz (Hz).



Port (1:Port1)

Specifies the port for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Extension Freq2

The value of the frequency 2.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



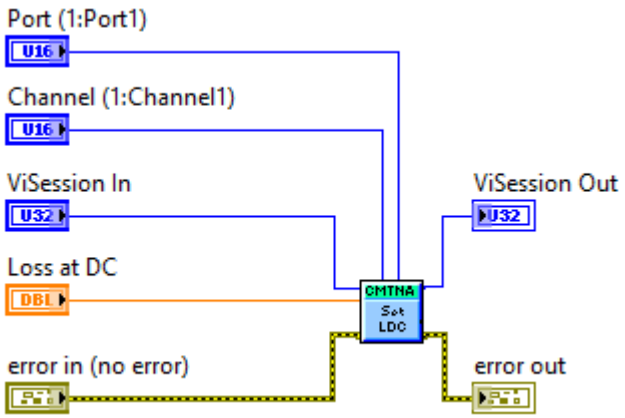
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Port Extension LDC

Description

Sets the loss value at DC for the port extension function. The value is expressed in decibels (dB).



Port (1:Port1)

Specifies the port for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Loss at DC

The loss value at DC.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



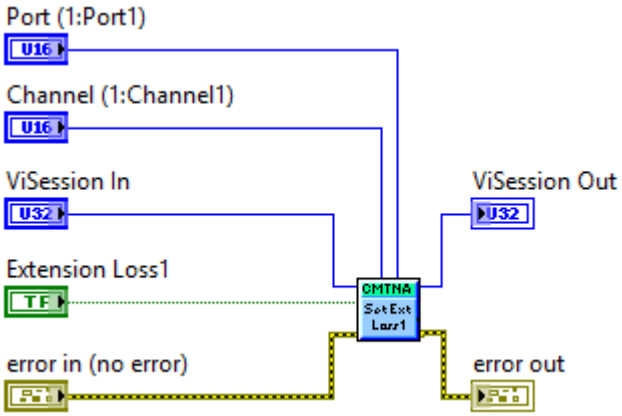
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Port Extension Loss1 State

Description

Turns ON/OFF the loss compensation of the loss 1 for the port extension function.



Port (1:Port1)

Specifies the port for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Extension Loss1

The state of the loss compensation of the loss 1 for the port extension function.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



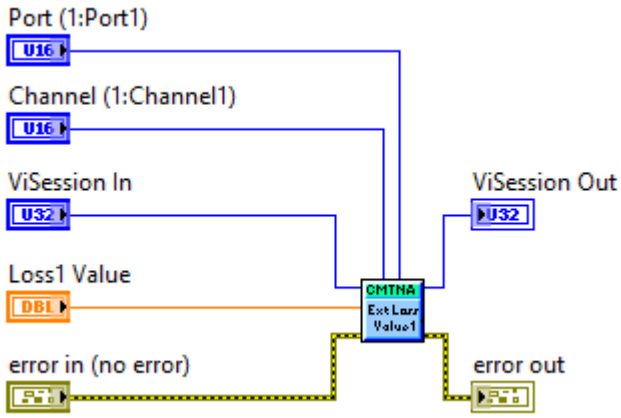
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Port Extension Loss1 Value

Description

Sets the values of the loss 1 for the port extension function. The value is expressed in decibels (dB).



Port (1:Port1)

Specifies the port for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Loss1 Value

The values of the loss 1.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



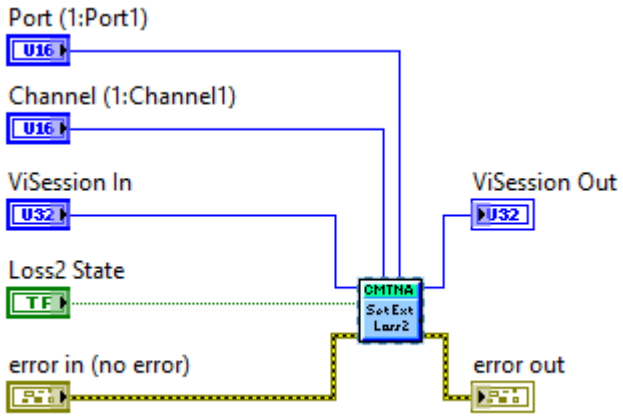
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Port Extension Loss2 State

Description

Turns ON/OFF the loss compensation of the loss 2 for the port extension function.



Port (1:Port1)

Specifies the port for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Loss2 State

The state of the loss compensation of the loss 2 for the port extension function.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



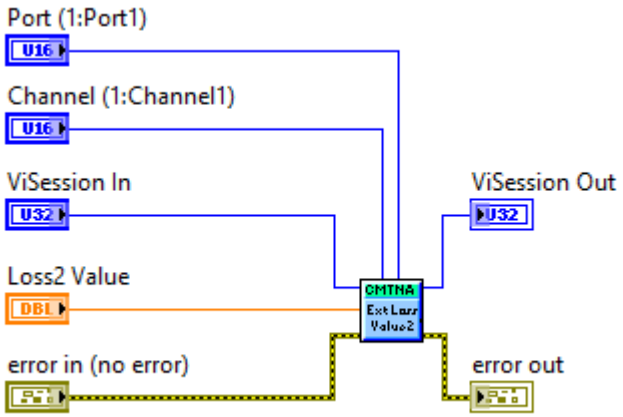
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Port Extension Loss2 Value

Description

Sets the values of the loss 2 for the port extension function. The value is expressed in decibels (dB).



Port (1:Port1)

Specifies the port for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Loss2 Value

The values of the loss 2.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



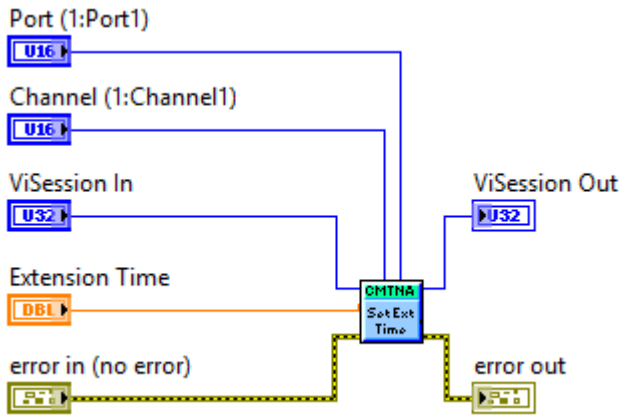
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Port Extension Time

Description

Sets the electrical delay value for the port extension function. The value is expressed in seconds (sec).



Port (1:Port1)

Specifies the port for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Extensions Time

The electrical delay value.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



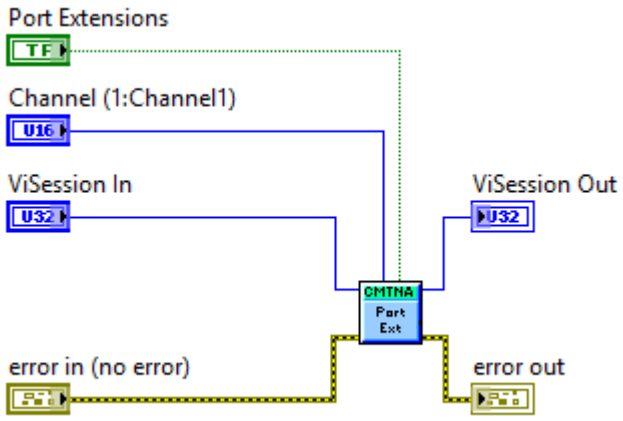
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Port Extensions

Description

Turns ON/OFF the port extension function.



Port Extensions

The state of the port extension function.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

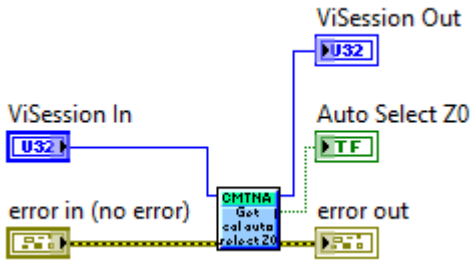
The error out cluster passes error or warning information out of a VI to be used by other VIs.

System Z0

Get Calibration Auto Select Z0

Description

Turns ON/OFF the auto-select Z0 function. When enabled the function sets the port impedance Z0 to the corresponding value of measuring calibration standard.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Auto Select Z0

The state of the auto-select Z0 function.

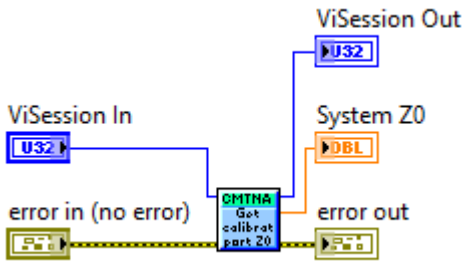
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Calibration Port Z0

Description

Gets the system impedance Z0 or the the impedance Z0 of port. The value is expressed in Ohm (Ω).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

System Z0

The system impedance Z0 or the the impedance Z0 of port.

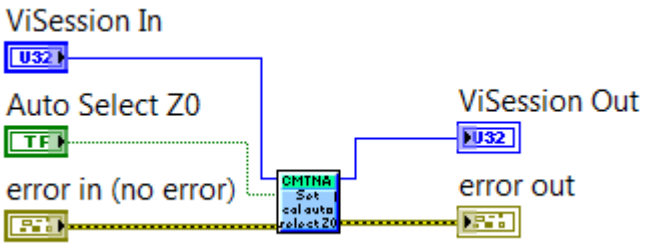
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Calibration Auto Select Z0

Description

Turns ON/OFF the auto-select Z0 function. When enabled the function sets the port impedance Z0 to the corresponding value of measuring calibration standard.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Auto Select Z0

The state of the auto-select Z0 function.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

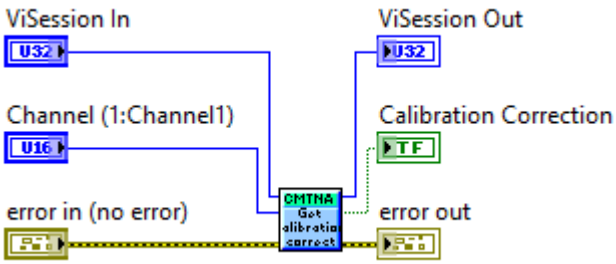
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Calibration Correction

Description

Turns ON/OFF the S-parameter error correction.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Calibration Correction

The state of the S-parameter error correction.

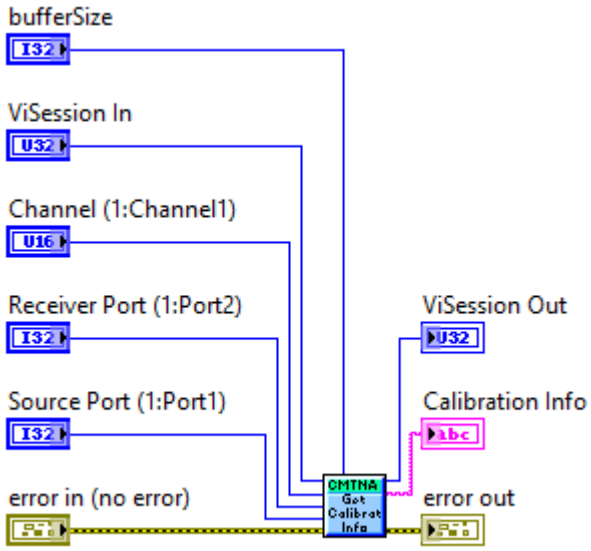
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Calibration Info

Description

Gets the information string of the calibration acting between the source and receiver ports.



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bufferSize

The size of the array to hold in the Calibration Info parameter.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Receiver Port (1:Port2)

The number of port from which the measurement is performed.

Source Port (1:Port1)

The number of port from which the measurement is performed.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Calibration Info

The information string of the calibration acting between the source and receiver ports.



error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Calibration Trigger Source

Description

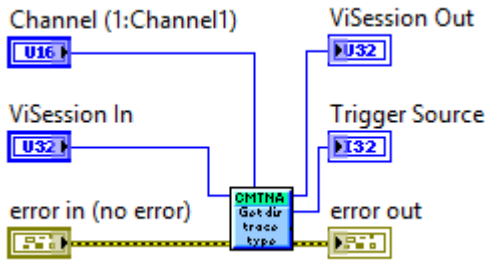
Enables/Disables the internal trigger source for calibration.

If the internal trigger source for calibration is enabled then a command of the calibration standard measurement starts the measurement immediately.

If the internal trigger source for calibration is disabled then the system trigger source is used to start the calibration standard measurement.

NOTE When the system trigger source is selected you should avoid the program trigger source (BUS), otherwise the program deadlock is possible.

NOTE The command does not apply to the electronic calibration, the power calibration and the receiver calibration. The internal trigger always used in these cases.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Trigger Source

The status of the internal trigger source.

Valid list of return values:

0: Internal

1: System



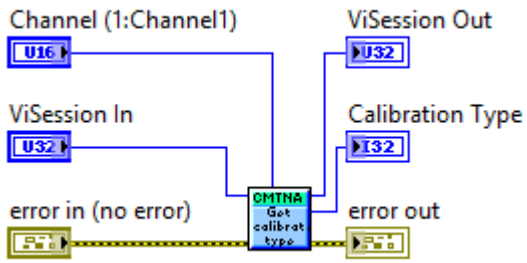
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Calibration Type

Description

Gets the number of the ports.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Calibration Type

The calibration type.

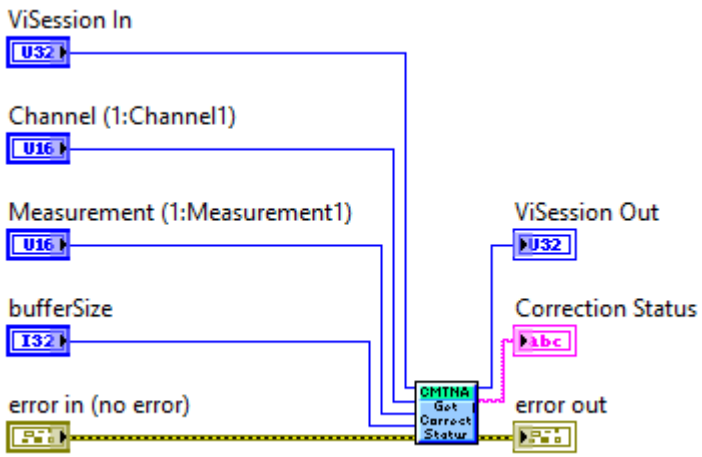
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Correction Status

Description

Gets the interpolation/extrapolation status of the error correction.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

bufferSize

The size of the array to hold in the Correction Status.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Calibration Info

The information string of the calibration acting between the source and receiver ports.



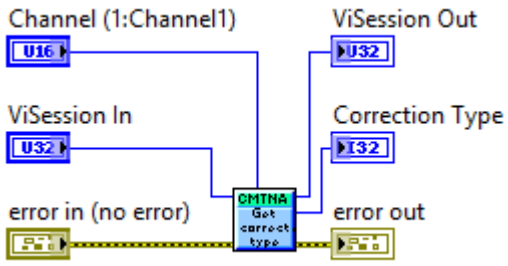
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Correction Type

Description

Gets the applied calibration type and the port numbers for the specified trace.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Correction Type

The applied calibration type and the port numbers for the specified trace.

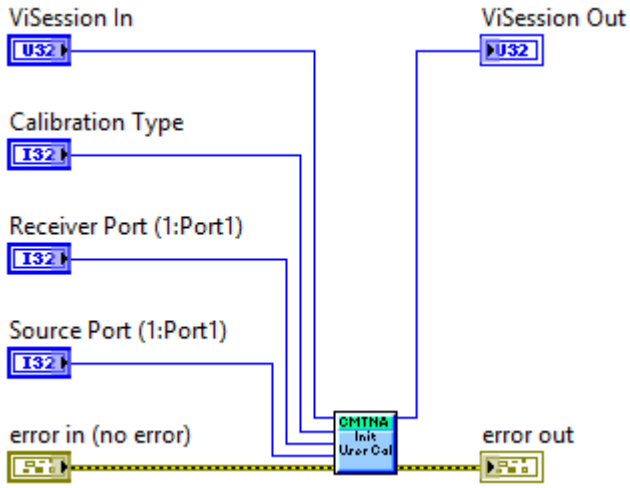
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Init User Cal

Description

Initializes user calibration.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Calibration Type

The type of calibration that is performed.

Receiver Port (1:Port1)

The number of port from which the measurement is performed.

Source Port (1:Port1)

The number of port which is the source.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



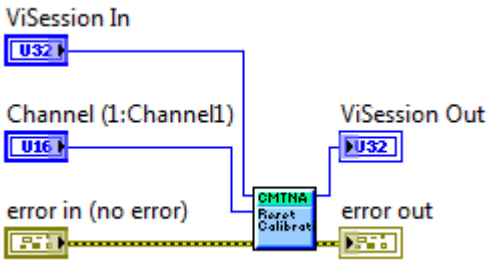
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Reset Calibration

Description

Clears the calibration coefficient table.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

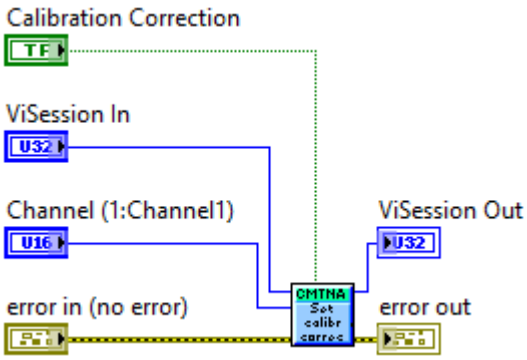
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Calibration Correction

Description

Turns ON/OFF the S-parameter error correction.



Calibration Correction

The state of the S-parameter error correction.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Calibration Trigger Source

Description

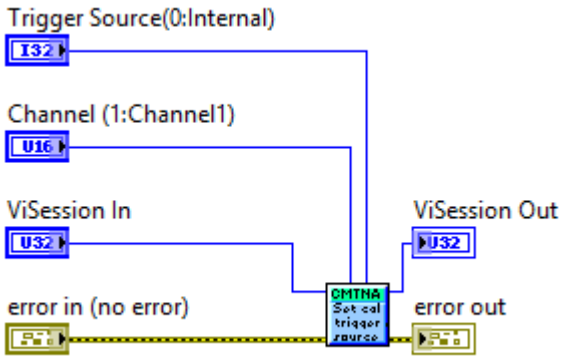
Enables/Disables the internal trigger source for calibration.

If the internal trigger source for calibration is enabled then a command of the calibration standard measurement starts the measurement immediately.

If the internal trigger source for calibration is disabled then the system trigger source is used to start the calibration standard measurement.

NOTE When the system trigger source is selected you should avoid the program trigger source (BUS), otherwise the program deadlock is possible.

NOTE The command does not apply to the electronic calibration, the power calibration and the receiver calibration. The internal trigger always used in these cases.



Trigger Source

The status of the internal trigger source.

Valid list of values:

0: Internal

1: System

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Markers

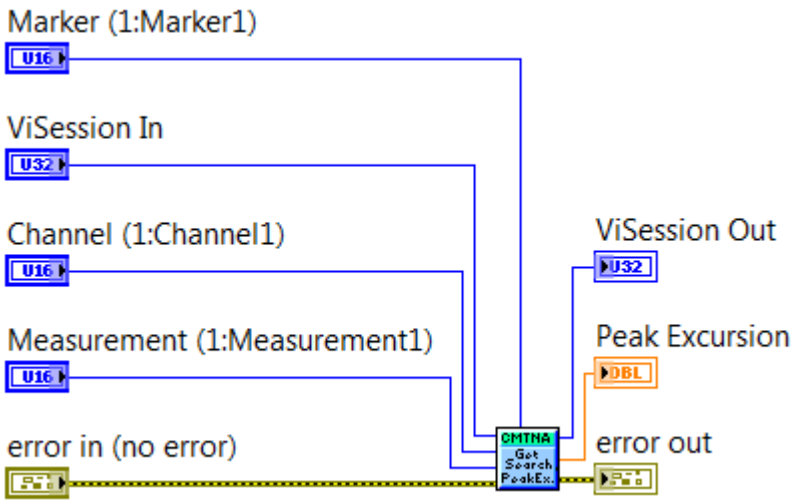
Marker Search

Peak

Get Marker Search Peak Excursion

Description

Gets the start value of the marker search range.



Marker (1:Marker1)

Specifies the marker for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Peak Excursion

The start value of the marker search range.



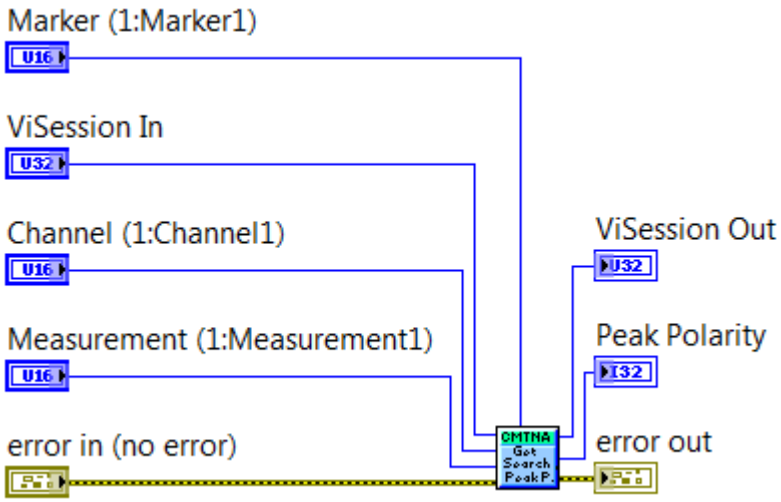
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Marker Search Peak Polarity

Description

Gets the peak polarity.



Marker (1:Marker1)

Specifies the marker for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Peak Polarity

The peak polarity.

Valid list of return values:

0: Positive

1: Negative

2: Both



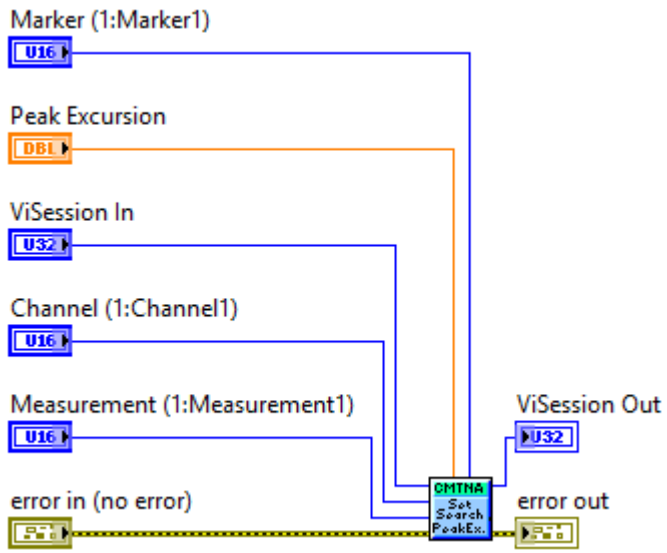
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Search Peak Excursion

Description

Sets the start value of the marker search range.



Marker (1:Marker1)

Specifies the marker for which this operation is targeted.

Search Peak

The start value of the marker search range.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



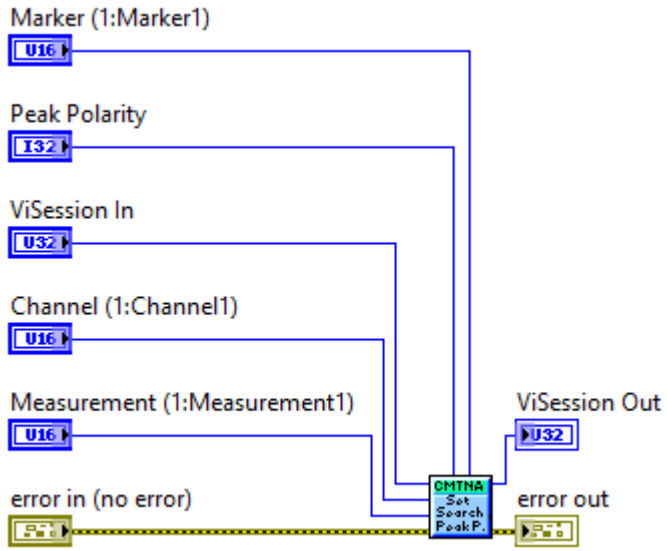
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Search Peak Polarity

Description

Sets the peak polarity.



Marker (1:Marker1)

Specifies the marker for which this operation is targeted.

Peak Polarity

The peak polarity.

Valid list of values:

0: Positive

1: Negative

2: Both

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.



Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

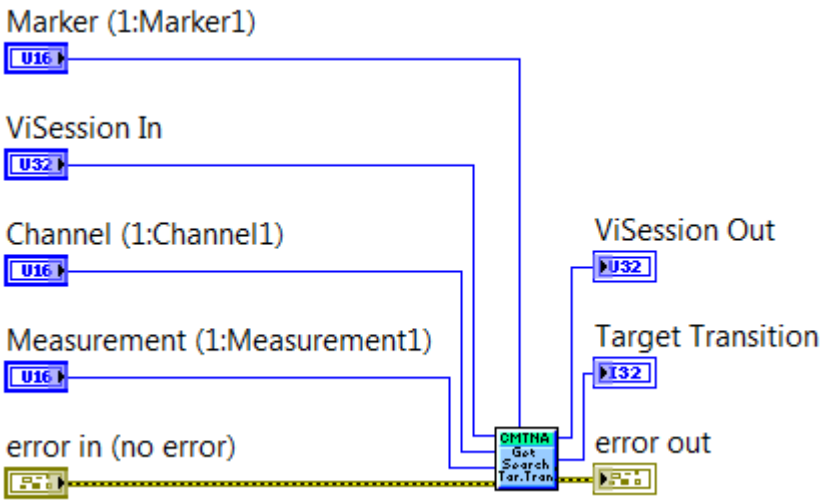
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Target

Get Marker Search Target Transition

Description

Gets the type of the target transition.



Marker (1:Marker1)

Specifies the marker for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Target Transition

The type of the target transition.

Valid list of return values:

0: Positive

1: Negative

2: Both



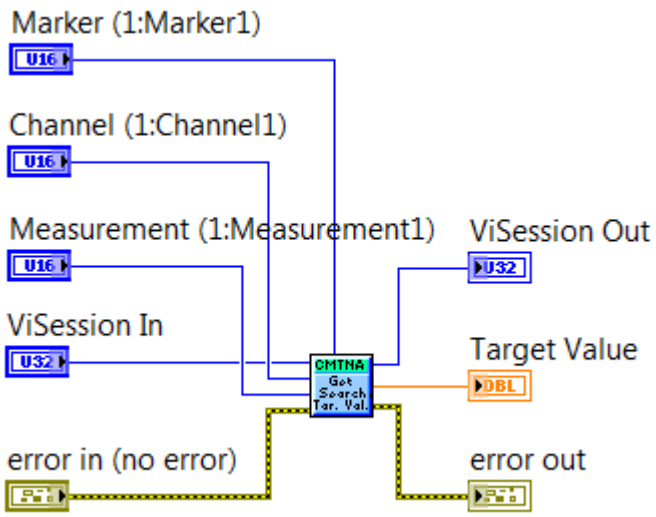
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Marker Search Target Value

Description

Gets the target value.



Marker (1:Marker1)

Specifies the marker for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Target Value

The target value.



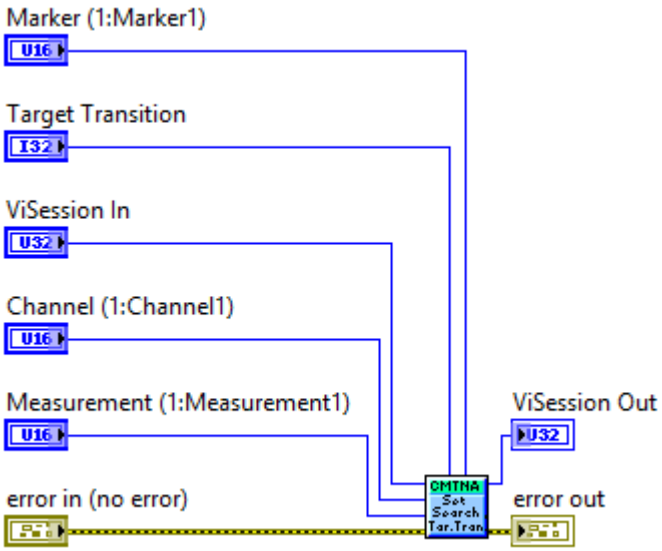
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Search Target Transition

Description

Sets the type of the target transition.



Marker (1:Marker1)

Specifies the marker for which this operation is targeted.

Target Transition

The type of the target transition.

Valid list of values:

0: Positive

1: Negative

2: Both

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.



Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



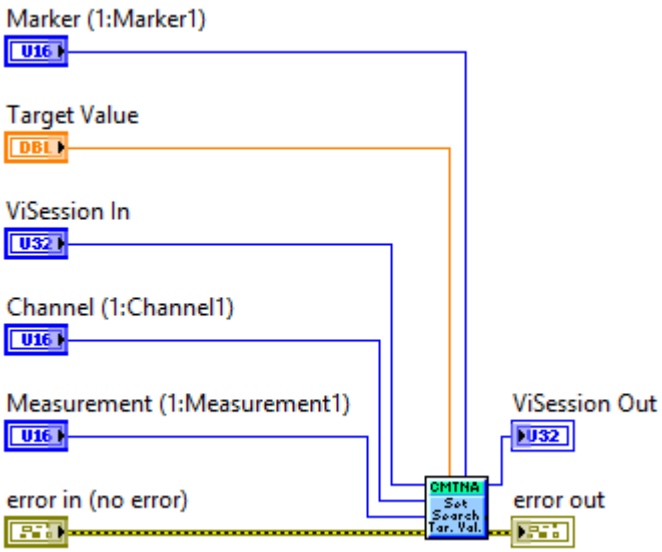
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Search Target Value

Description

Sets the target value.



Marker (1:Marker1)

Specifies the marker for which this operation is targeted.

Target Value

The target value.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



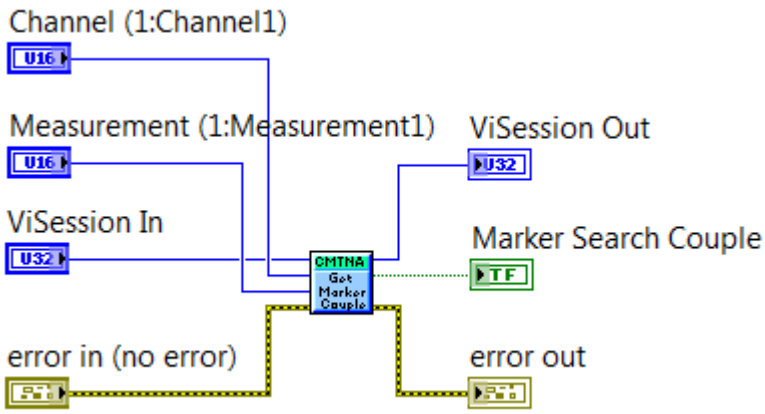
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Marker Search Couple

Description

If the arbitrary search range turned ON , specifies whether all traces of repCapID use the same range (coupling) or each trace uses individual range when the marker search is performed.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Marker Search Couple

The state of the search couple.



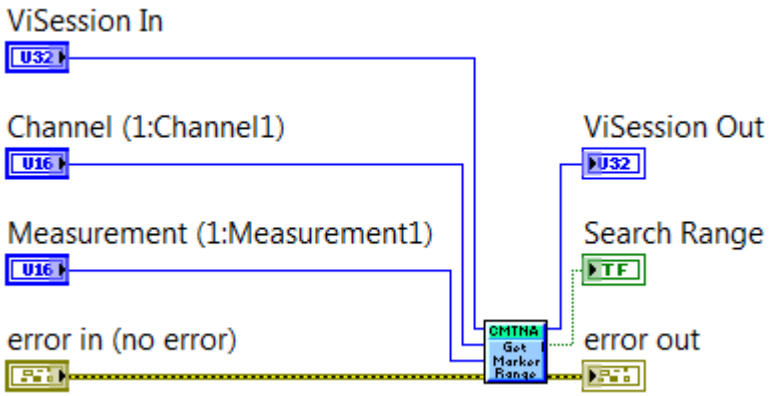
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Marker Search Range

Description

Specifies whether an arbitrary range or the entire sweep range is used when the marker search is performed.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Search Range

The state of the search range.



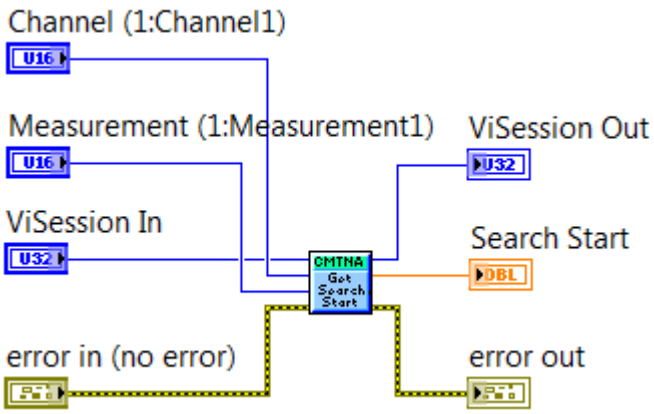
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Marker Search Start

Description

Gets the start value of the marker search range.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Search Start

The start value.



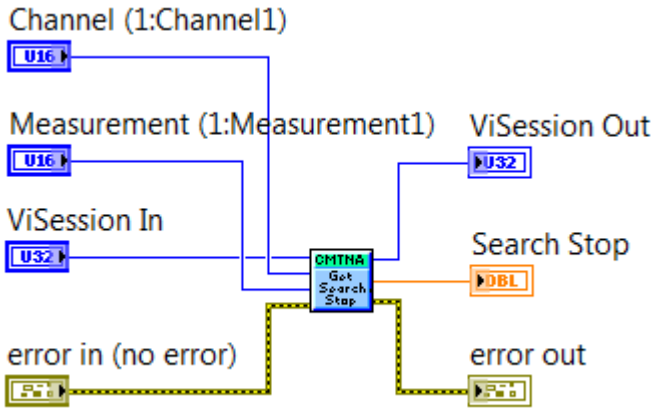
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Marker Search Stop

Description

Gets the stop value of the marker search range.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Search Stop

The stop value.



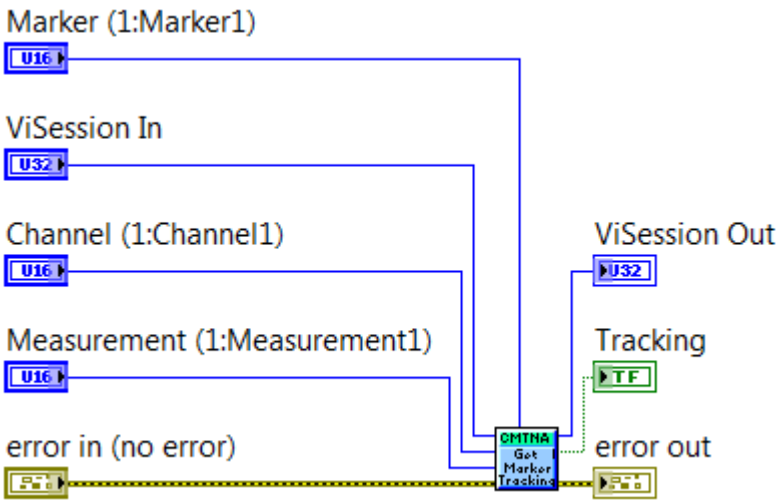
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Marker Search Tracking

Description

Turns ON/OFF the marker search tracking.



Marker (1:Marker1)

Specifies the marker for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Tracking

The state of the marker search tracking.



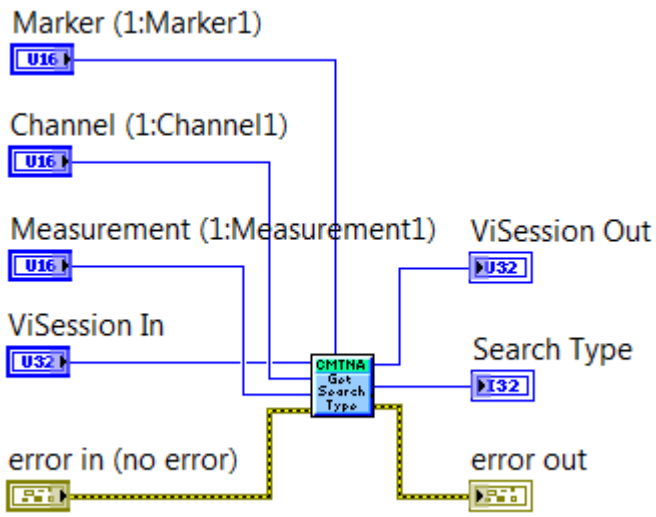
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Marker Search Type

Description

Gets the type of the marker search.



Marker (1:Marker1)

Specifies the marker for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Search Type

The type of the marker search.

Valid list of return values:

0: Maximum

1: Minimum

2: Peak

3: Peak Left

4: Peak Right

5: Target

6: Target Left

7: Target Right



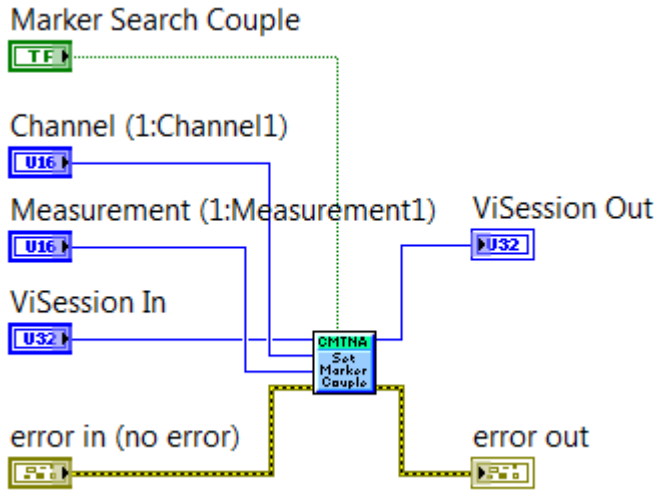
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Search Couple

Description

If the arbitrary search range turned ON , specifies whether all traces of repCapID use the same range (coupling) or each trace uses individual range when the marker search is performed.



Marker Search Couple

The state of the search couple.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



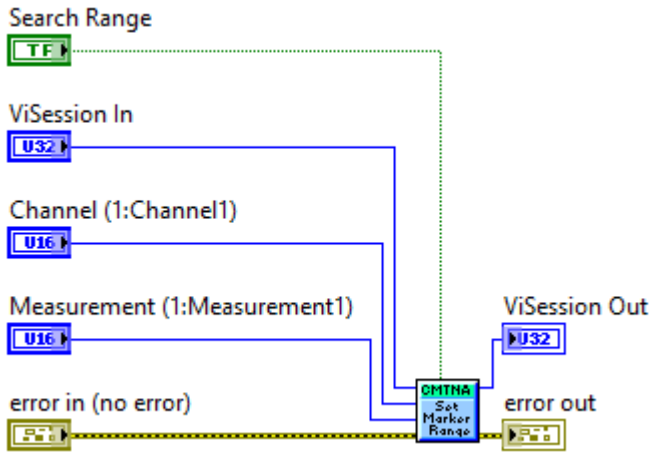
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Search Range

Description

Specifies whether an arbitrary range or the entire sweep range is used when the marker search is performed.



Search Range

The state of the search range.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



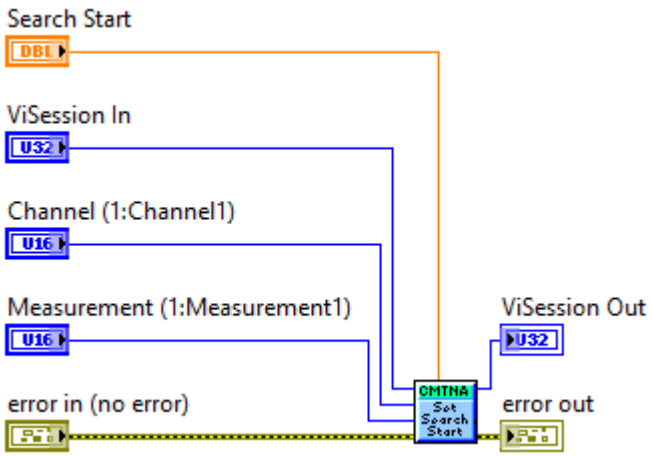
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Search Start

Description

Sets the start value of the marker search range.



Search Start

The start value.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



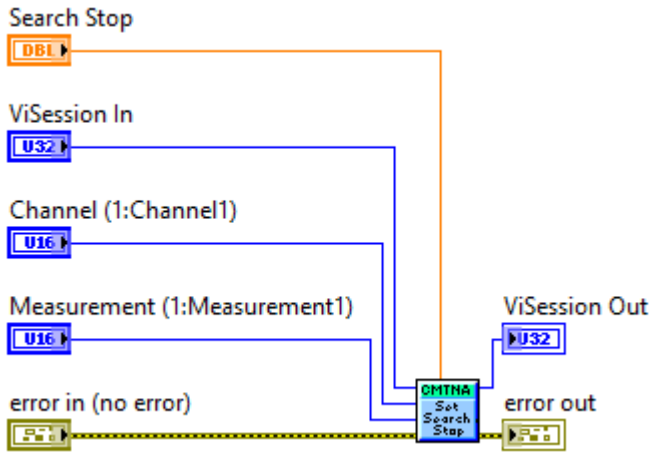
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Search Stop

Description

Sets the stop value of the marker search range.



Search Stop

The stop value.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



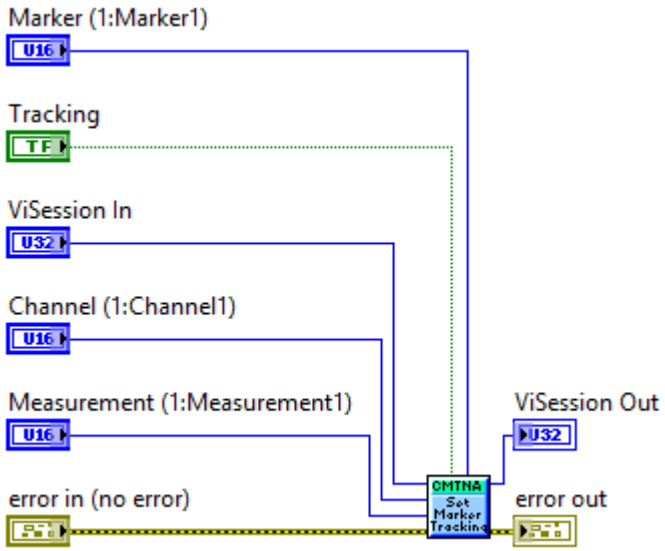
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Search Tracking

Description

Turns ON/OFF the marker search tracking.



Marker (1:Marker1)

Specifies the marker for which this operation is targeted.

Tracking

The state of the marker search tracking.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



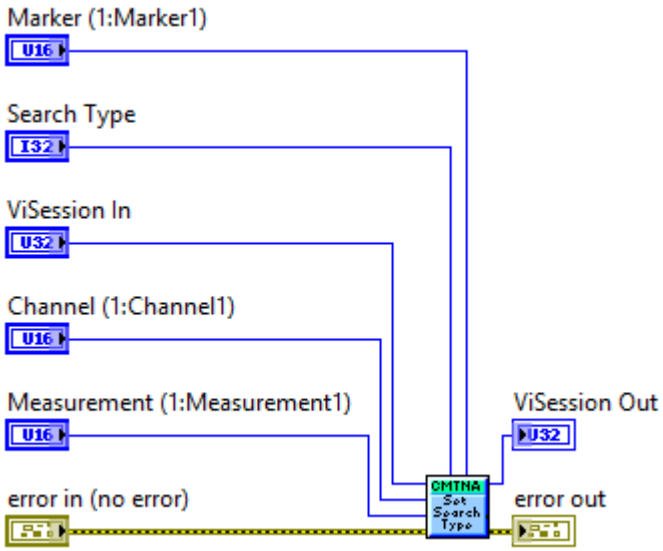
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Search Type

Description

Sets the type of the marker search.



Marker (1:Marker1)

Specifies the marker for which this operation is targeted.

Search Type

The type of the marker search.

Valid list of values:

0: Maximum
1: Minimum
2: Peak
3: Peak Left
4: Peak Right
5: Target
6: Target Left
7: Target Right

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.



Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



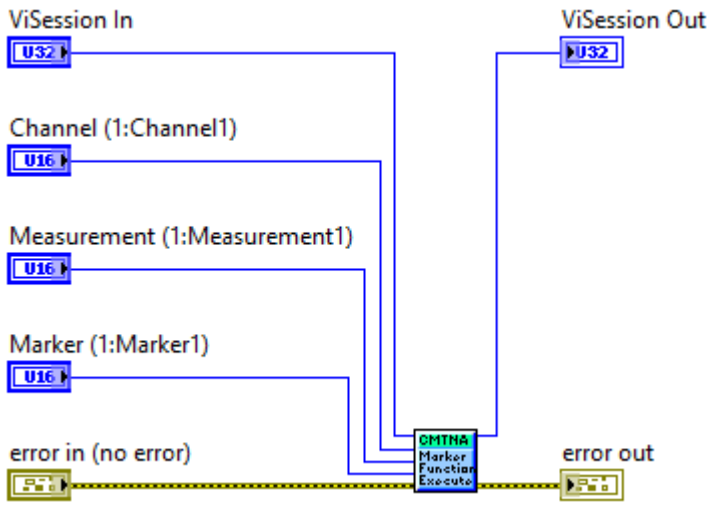
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Marker Function Execute

Description

Executes the marker search according to the specified criterion.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

Marker (1:Marker1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

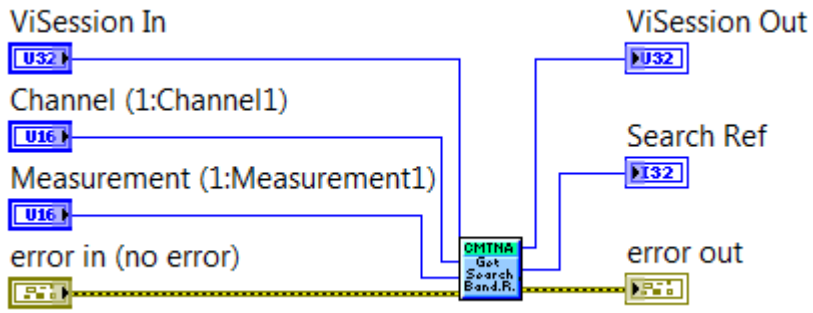
Marker Math

Bandwidth Search

Get Marker Math Bandwidth Search Ref

Description

Selects the reference point for the bandwidth search function: reference marker or absolute maximum value of the trace.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Search Ref

The reference point for the bandwidth search function.



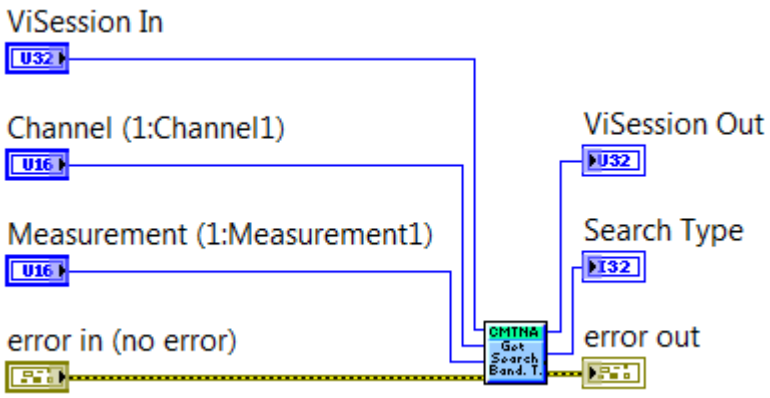
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Marker Math Bandwidth Search Type

Description

Gets the type of the bandwidth search function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Search Type

The type of the bandwidth search function.



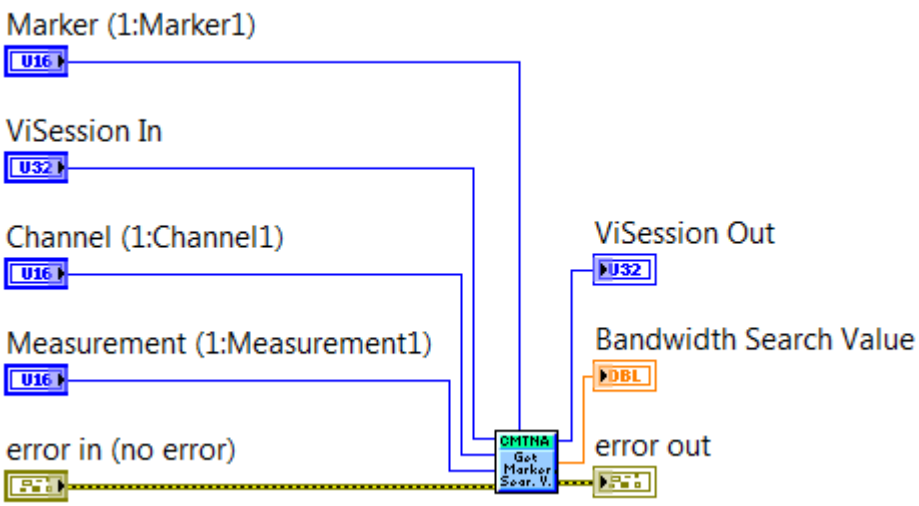
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Marker Math Bandwidth Search Value

Description

Gets the bandwidth definition value.



Marker (1:Marker)

Specifies the marker for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Bandwidth Search Value

The bandwidth definition value.



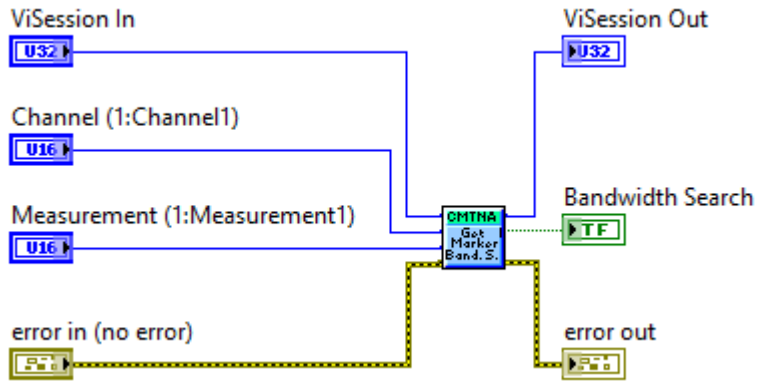
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Marker Math Bandwidth Search

Description

Turns ON/OFF the bandwidth search function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Bandwidth Search

The state of the bandwidth search function.



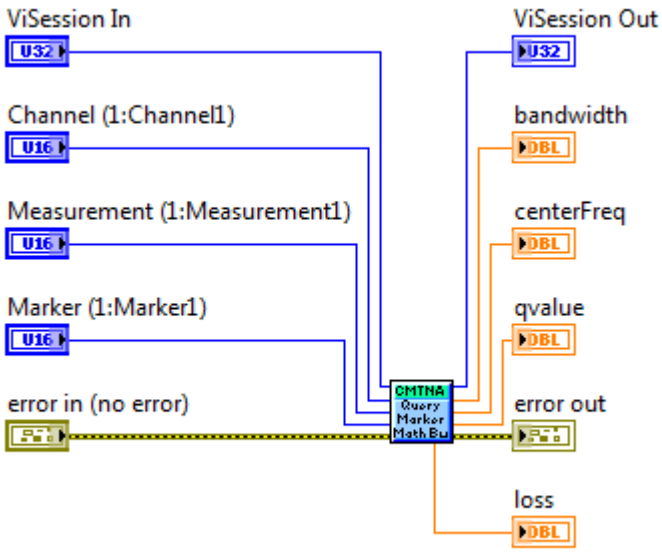
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Query Marker Math Bandwidth

Description

Gets the bandwidth search result.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

Marker (1:Marker1)

Specifies the marker for which this operation is targeted.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



bandwidth

The value of the bandwidth.



centerFreq

The value of the center frequency.



qvalue

The Q value.



error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.



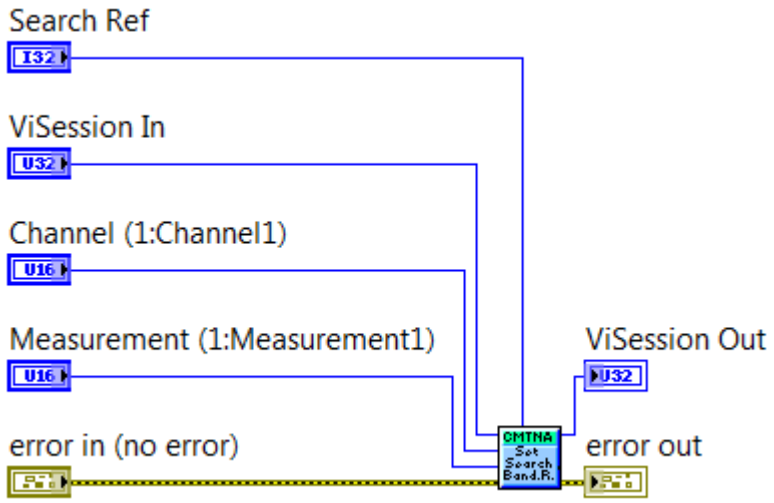
loss

The value of the loss.

Set Marker Math Bandwidth Search Ref

Description

Selects the reference point for the bandwidth search function: reference marker or absolute maximum value of the trace.



Search Ref

The reference point for the bandwidth search function.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



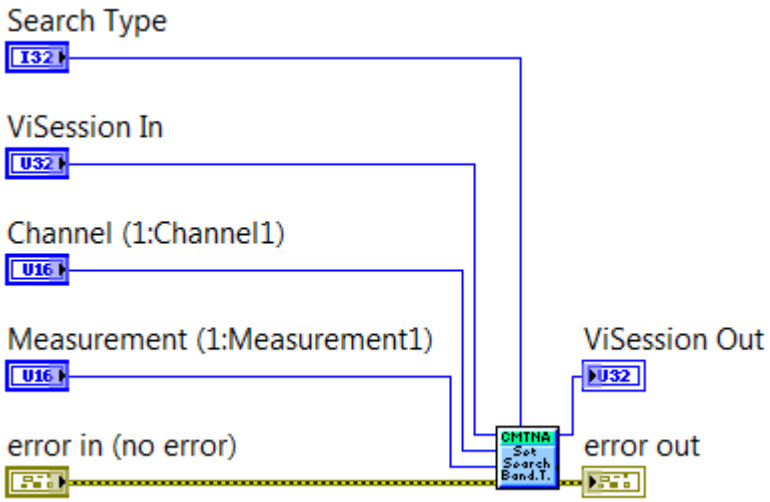
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Math Bandwidth Search Type

Description

Sets the type of the bandwidth search function.



Search Type

The type of the bandwidth search function.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



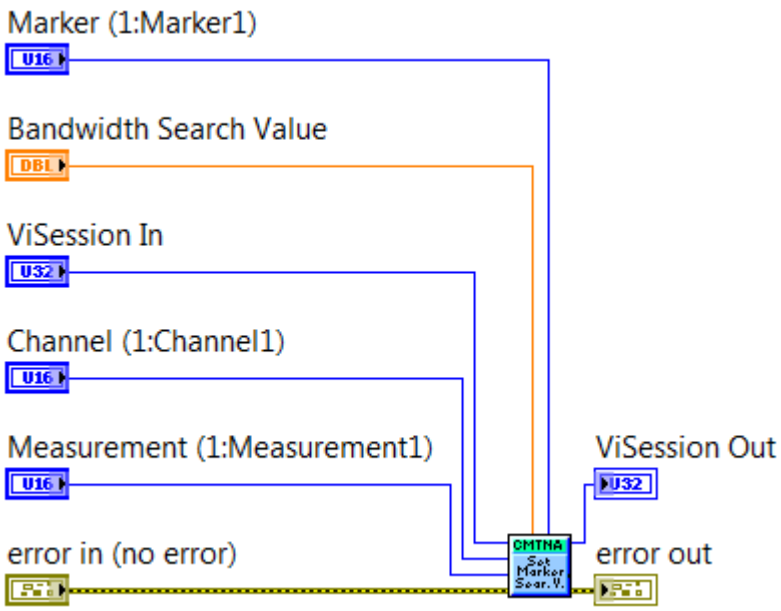
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Math Bandwidth Search Value

Description

Sets the bandwidth definition value.



Marker (1:Marker)

Specifies the marker for which this operation is targeted.

Bandwidth Search Value

The bandwidth definition value.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



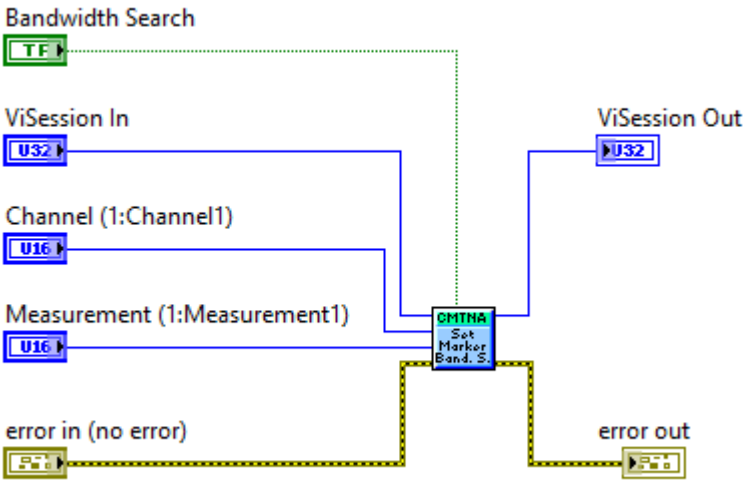
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Math Bandwidth Search

Description

Turns ON/OFF the bandwidth search function.



Statistics Stop

The number of the bandwidth search function.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

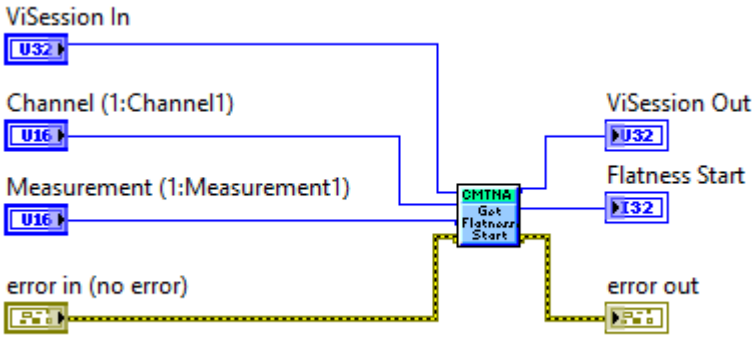
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Flatness

Get Marker Math Flatness Start

Description

Gets the number of the marker, which specifies the start frequency of the FLATNESS function domain.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Flatness Start

The number of the marker, which specifies the start frequency.



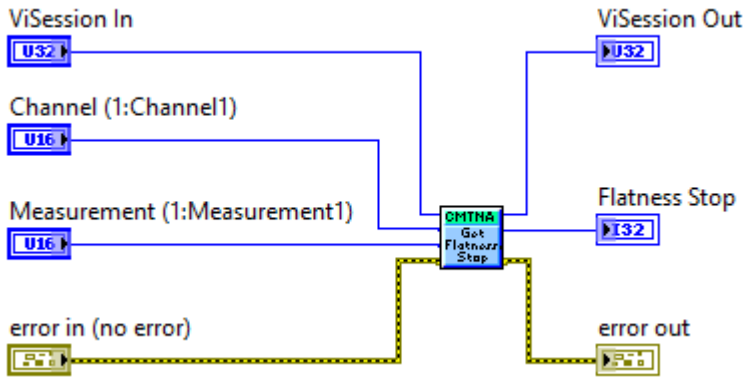
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Marker Math Flatness Start

Description

Gets the number of the marker, which specifies the stop frequency of the FLATNESS function domain.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Flatness Stop

The number of the marker, which specifies the stop frequency.



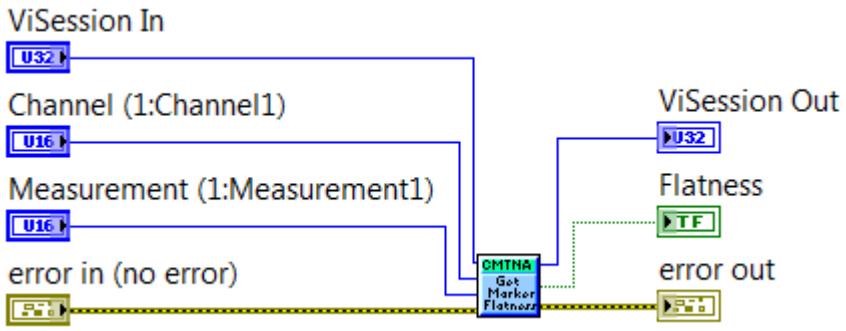
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Marker Math Flatness

Description

Turns ON/OFF the marker FLATNESS function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Flatness

The state of the marker FLATNESS function.



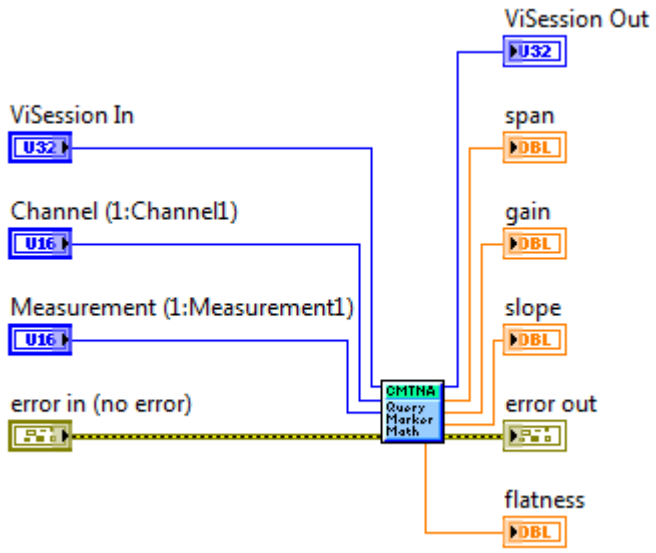
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Query Marker Math Flatness

Description

Gets FLATNESS function data array. The FLATNESS function is applied within the range determined by two markers.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



span

The value of the span.



gain

The value of the gain.



slope

The value of the slope.



error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.



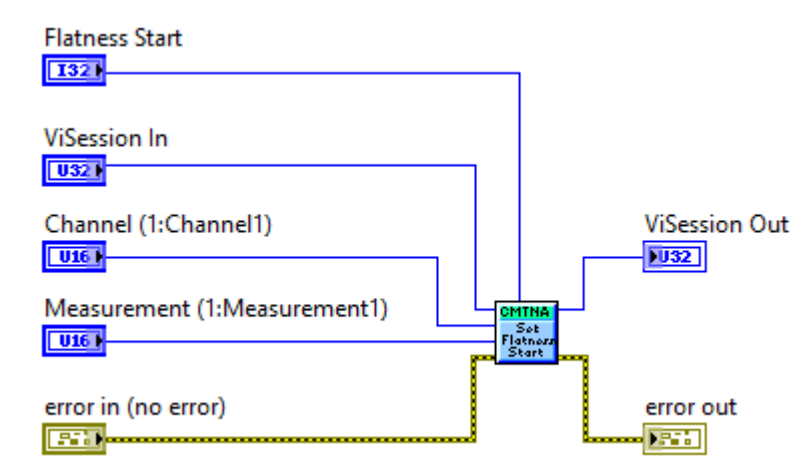
flatness

The value of the flatness.

Set Marker Math Flatness Start

Description

Sets the number of the marker, which specifies the start frequency of the FLATNESS function domain.



Flatness Start

The number of the marker, which specifies the start frequency.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



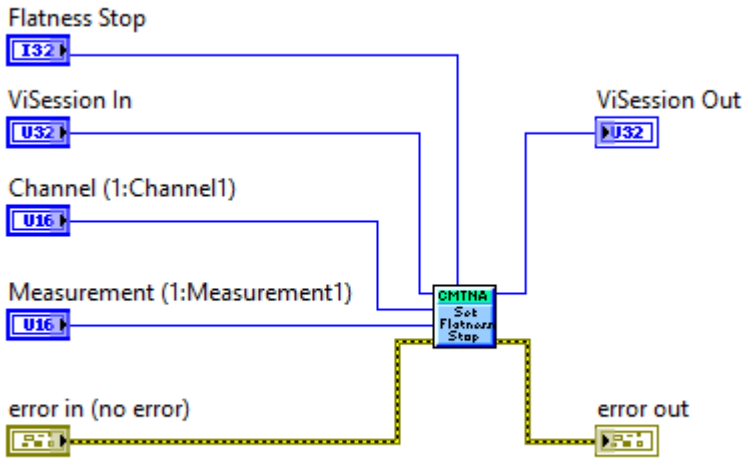
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Math Flatness Stop

Description

Sets the number of the marker, which specifies the stop frequency of the FLATNESS function domain.



Flatness Stop

The number of the marker, which specifies the stop frequency.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



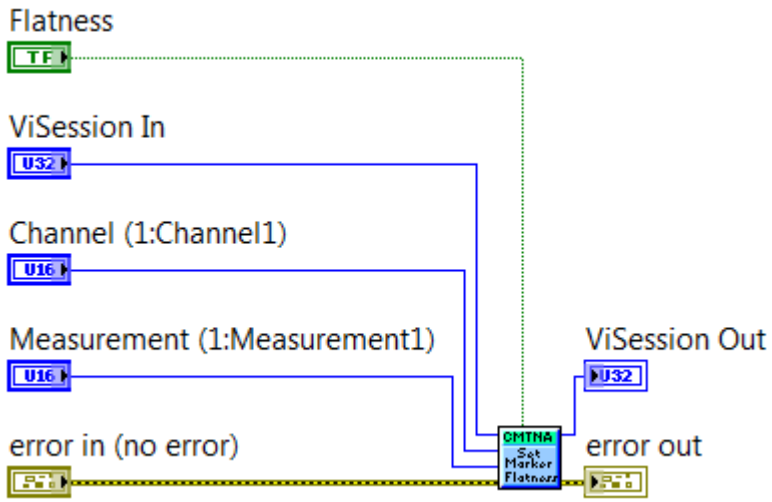
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Math Flatness

Description

Turns ON/OFF the marker FLATNESS function.



Flatness

The state of the marker FLATNESS function.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

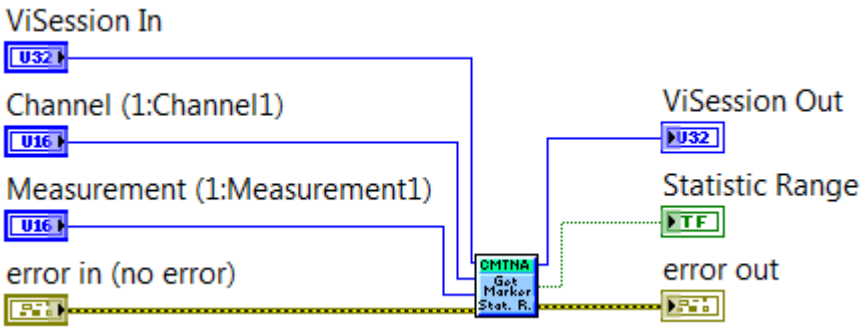
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Statistics

Get Marker Math Statistic Range

Description

Gets either partial frequency range or entire frequency range is used for math statistic calculation. The partial frequency range is limited by two markers.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Statistic Range

The state of either partial frequency range or entire frequency range.



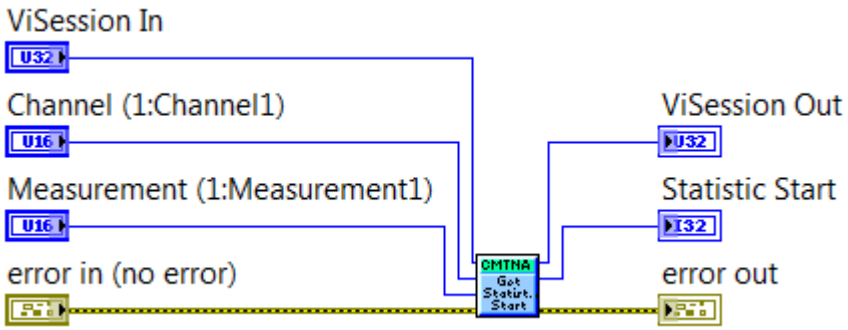
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Marker Math Statistic Start

Description

Gets the number of the marker, which specifies the start frequency of the math statistics range.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Statistics Start

The number of the marker, which specifies the start frequency.



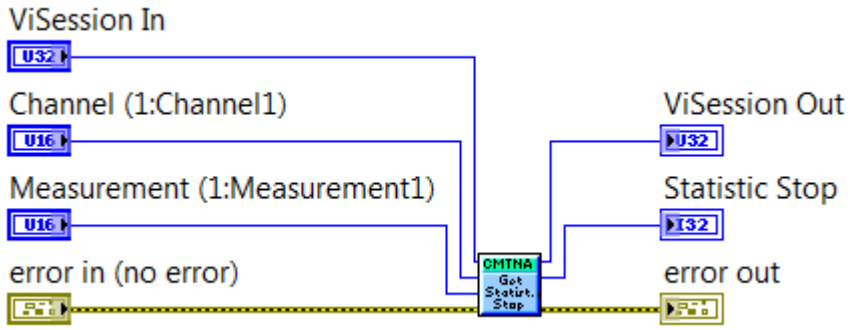
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Marker Math Statistic Stop

Description

Gets the number of the marker, which specifies the stop frequency of the math statistics range.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Statistics Stop

The number of the marker, which specifies the stop frequency.



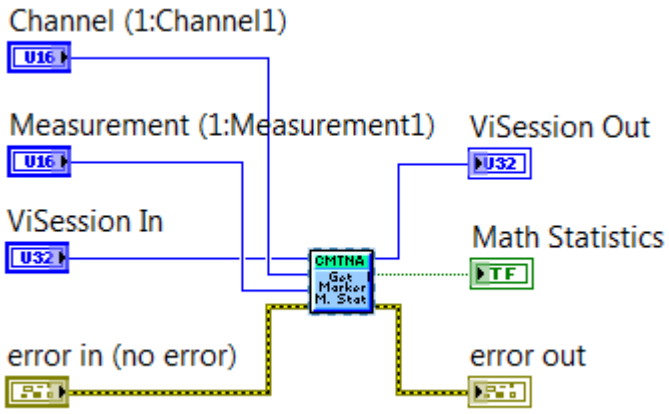
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Marker Math Statistics

Description

Turns ON/OFF the math statistics display.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Math Statistics

The state of the math statistics display.



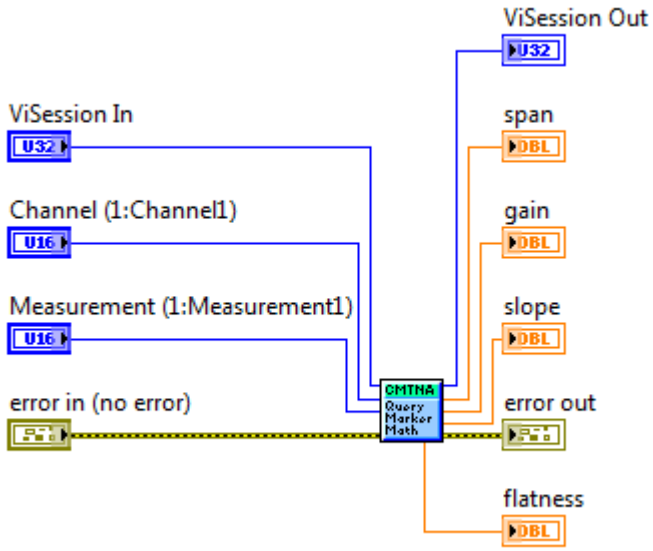
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Query Marker Math Statistics

Description

Gets the math statistics values.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



span

The value of the span.



gain

The value of the gain.



slope

The value of the slope.



error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.



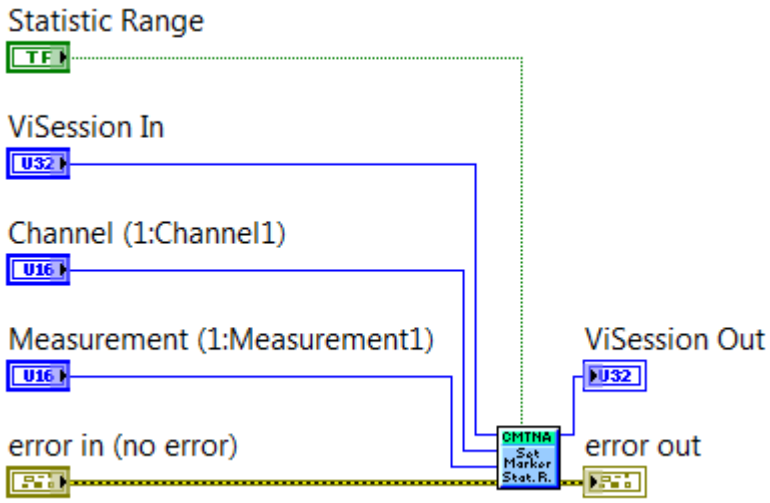
flatness

The value of the flatness.

Set Marker Math Statistic Range

Description

Sets either partial frequency range or entire frequency range is used for math statistic calculation. The partial frequency range is limited by two markers.



Statistics Range

The state of either partial frequency range or entire frequency range.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



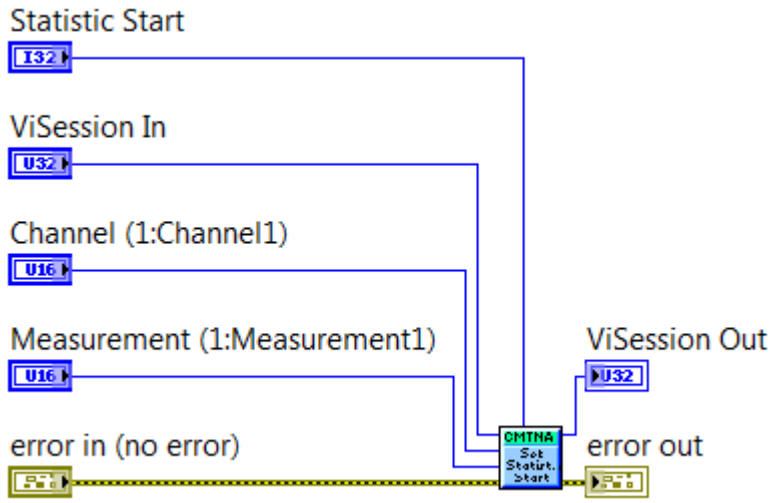
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Math Statistic Start

Description

Sets the number of the marker, which specifies the start frequency of the math statistics range.



Statistics Start

The number of the marker, which specifies the start frequency.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



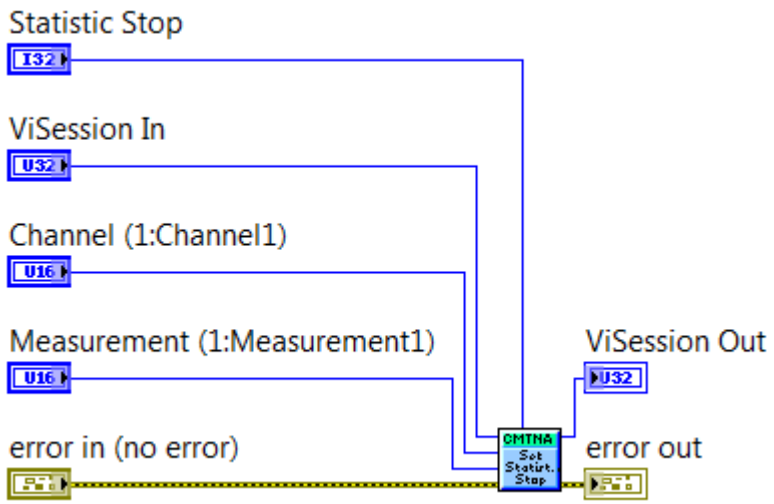
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Math Statistic Stop

Description

Sets the number of the marker, which specifies the stop frequency of the math statistics range.



Statistics Stop

The number of the marker, which specifies the stop frequency.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



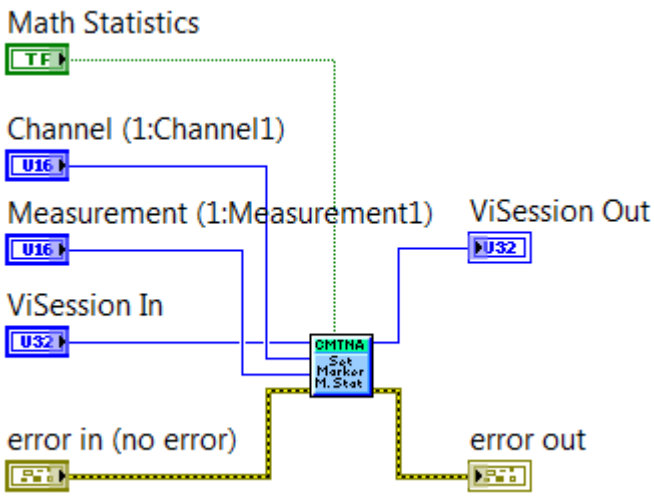
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Math Statistics

Description

Turns ON/OFF the math statistics display.



Math Statistics

The state of the math statistics display.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

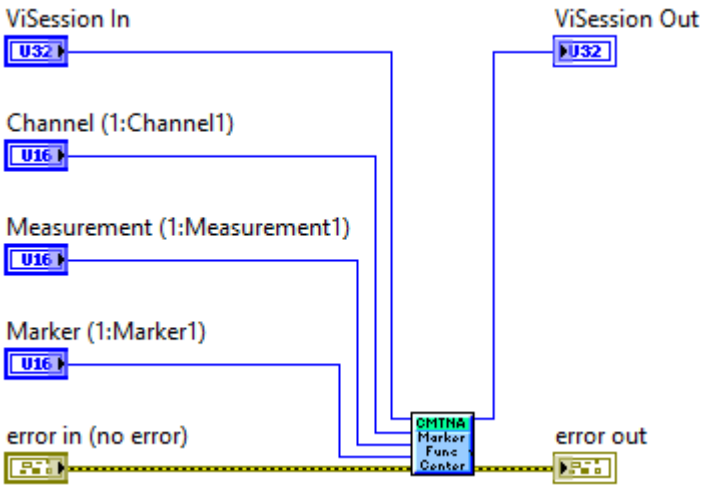
Markers Functions

Marker Functions Marker Center

Description

Sets the value of the specified item to the value of the position of the marker.

Sweep center value set to the stimulus value of the marker position.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

Marker (1:Marker1)

Specifies the marker for which this operation is targeted.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

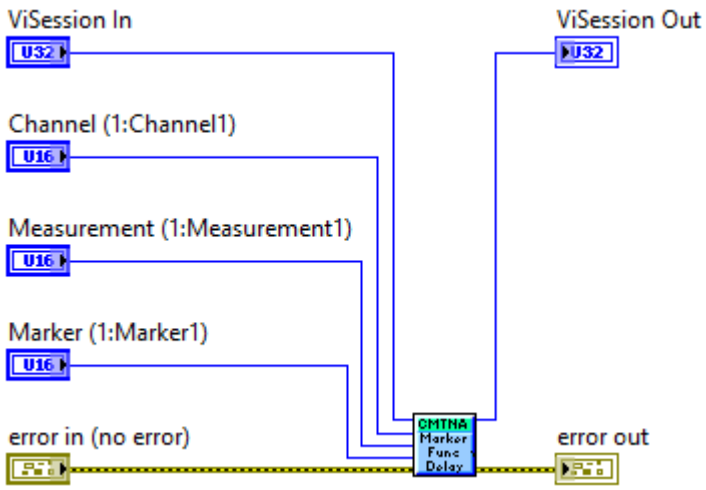
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Marker Functions Marker Delay

Description

Sets the value of the specified item to the value of the position of the marker.

Delay value set to the response value of the marker position.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

Marker (1:Marker1)

Specifies the marker for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

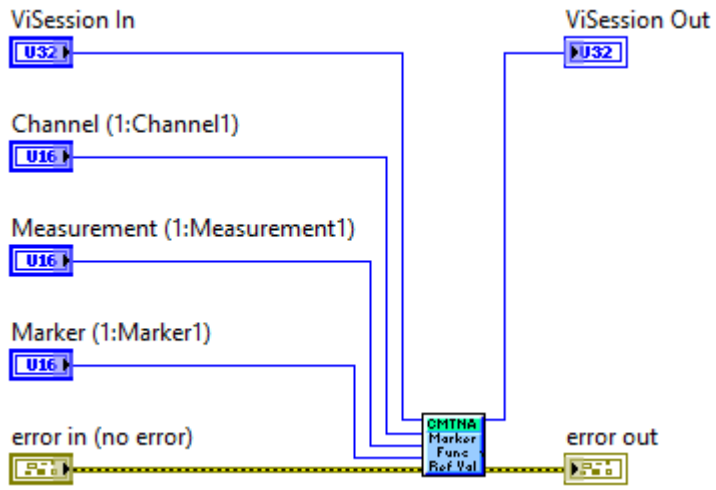
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Marker Functions Marker Ref Value

Description

Sets the value of the specified item to the value of the position of the marker.

Reference value set to the response value of the marker position.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

Marker (1:Marker1)

Specifies the marker for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

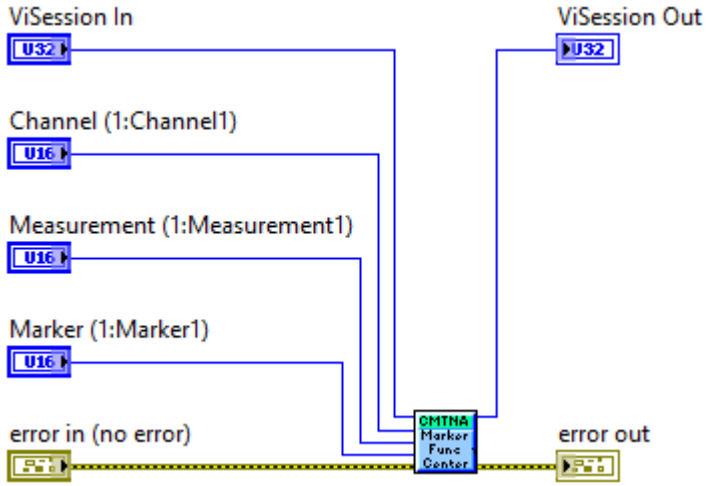
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Marker Functions Marker Start

Description

Sets the value of the specified item to the value of the position of the marker.

Sweep start value set to the stimulus value of the marker position.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

Marker (1:Marker1)

Specifies the marker for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

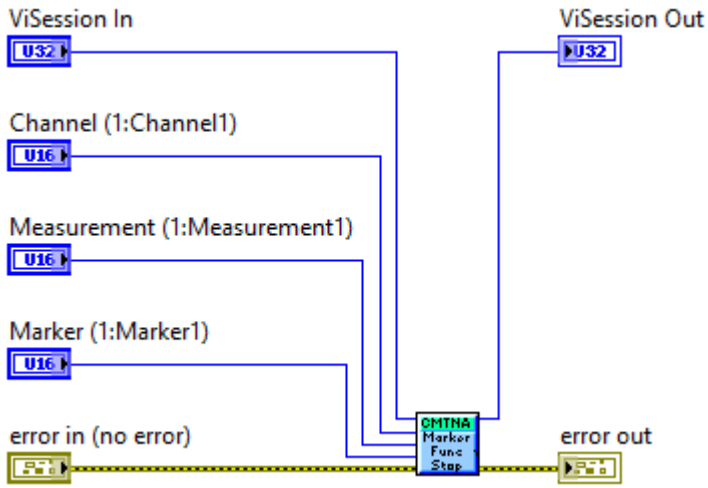
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Marker Functions Marker Stop

Description

Sets the value of the specified item to the value of the position of the marker.

Sweep stop value set to the stimulus value of the marker position.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

Marker (1:Marker1)

Specifies the marker for which this operation is targeted.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

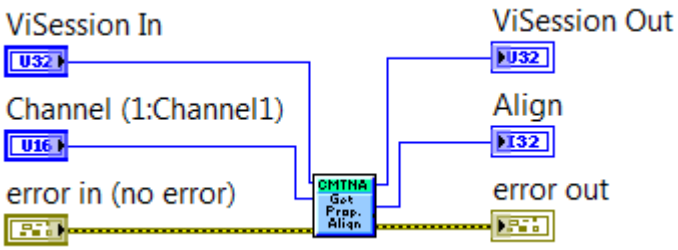
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Properties

Get Marker Properties Align

Description

Gets the alignment mode of the marker display position of each trace, when the only active trace display feature is turned OFF.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Align

The alignment mode of the marker display position of each trace.

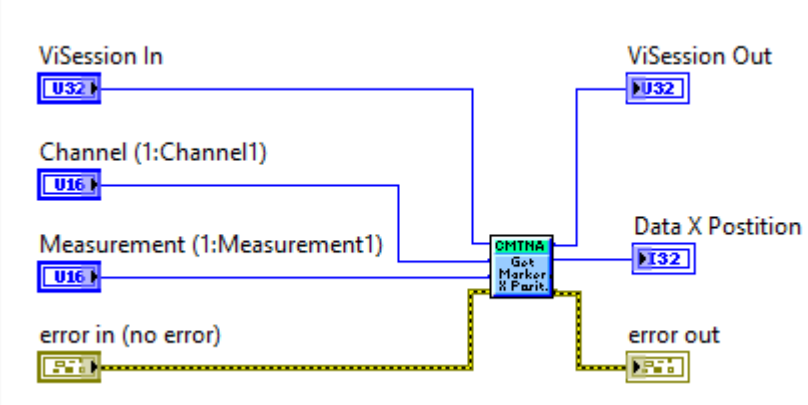
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Marker Properties Data X Position

Description

Gets the display position of the marker annotation on the X–axis by a percentage of the display width. The value is expressed in percentages (%).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Data X Position

The display position of the marker annotation on the X–axis by a percentage of the display width.



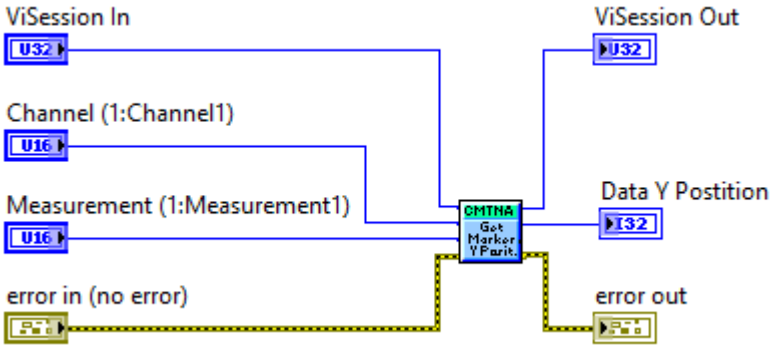
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Marker Properties Data Y Position

Description

Gets the display position of the marker annotation on the Y–axis by a percentage of the display height. The value is expressed in percentages (%).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Data Y Position

The display position of the marker annotation on the Y–axis by a percentage of the display height.



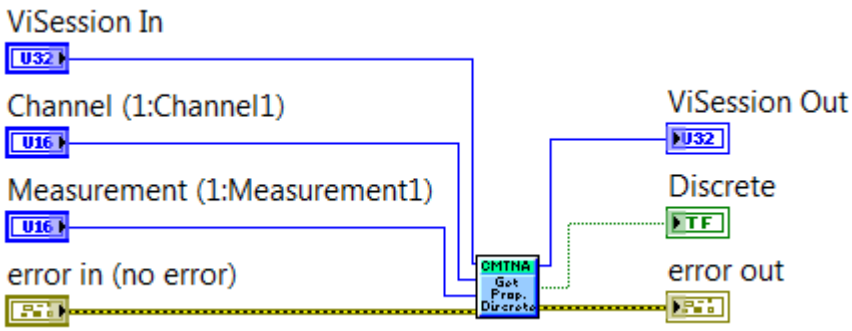
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Marker Properties Discrete

Description

Turns ON/OFF the marker discrete mode.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Discrete

The state of the marker discrete mode.



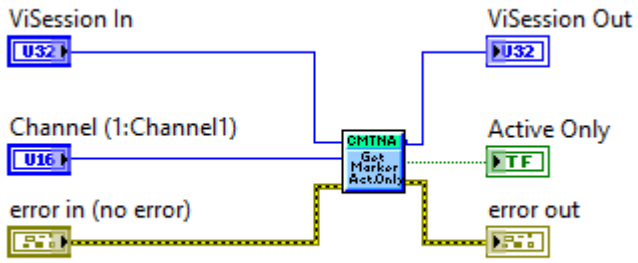
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Marker Properties Marker Active Only

Description

Gets display either the active trace markers or the all trace markers.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Active Only

The state of the either the active trace markers or the all trace markers.

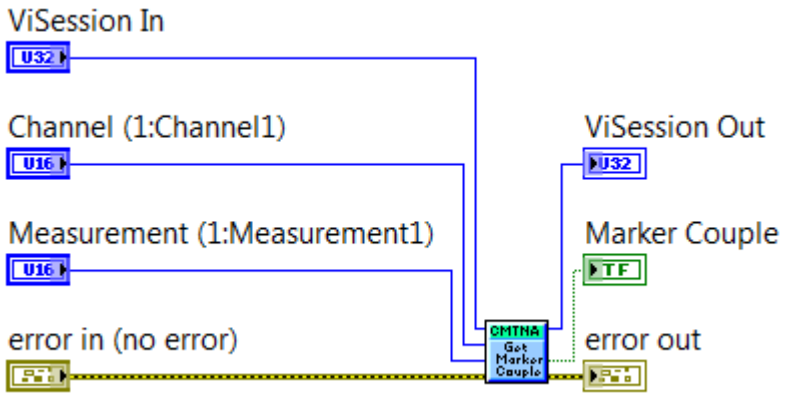
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Marker Properties Marker Couple

Description

Turns ON/OFF the marker coupling between traces. When coupled the markers of different traces with same number track the X-axis position.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Marker Couple

The state of the marker coupling between traces.



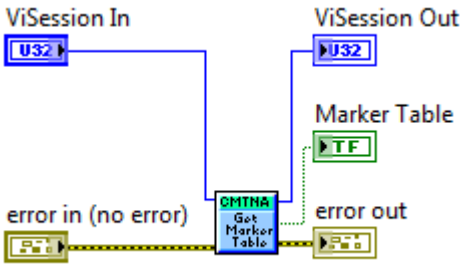
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Marker Properties Marker Table

Description

Turns ON/OFF of the marker table.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Marker Table

The state of the marker table.

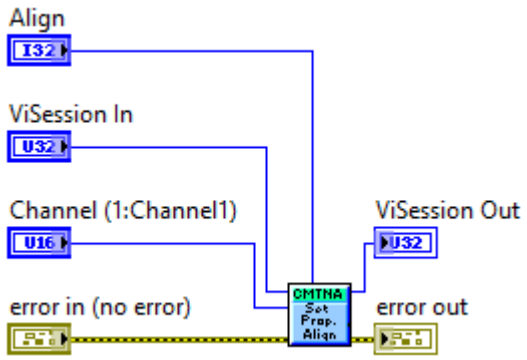
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Properties Align

Description

Sets the alignment mode of the marker display position of each trace, when the only active trace display feature is turned OFF.



Align

The alignment mode of the marker display position of each trace.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



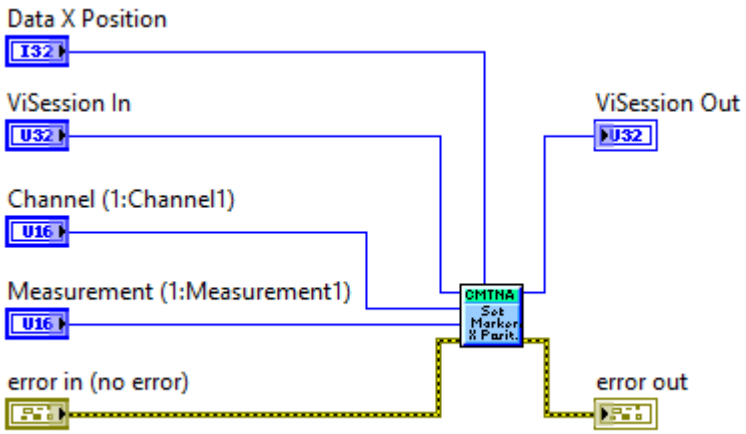
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Properties Data X Position

Description

Sets the display position of the marker annotation on the X–axis by a percentage of the display width. The value is expressed in percentages (%).



Data X Position

The display position of the marker annotation on the X–axis by a percentage of the display width.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



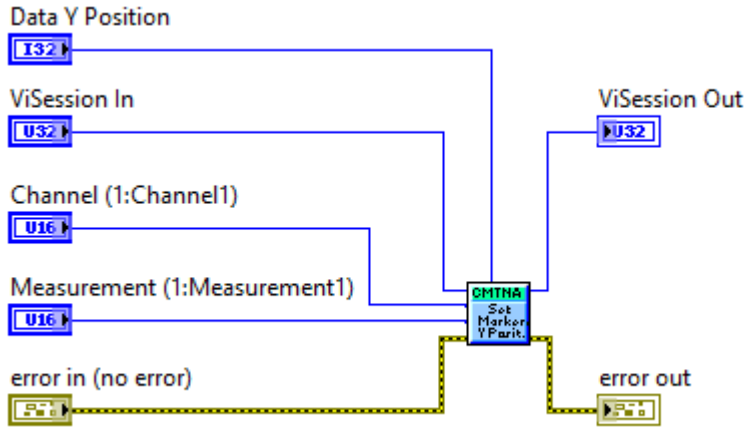
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Properties Data Y Position

Description

Sets the display position of the marker annotation on the Y–axis by a percentage of the display height. The value is expressed in percentages (%).



Data Y Position

The display position of the marker annotation on the Y–axis by a percentage of the display height.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



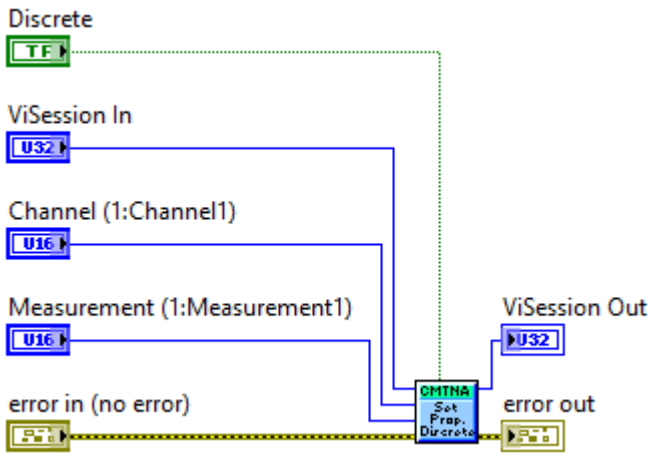
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Properties Discrete

Description

Turns ON/OFF the marker discrete mode.



Discrete

The state of the marker discrete mode.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



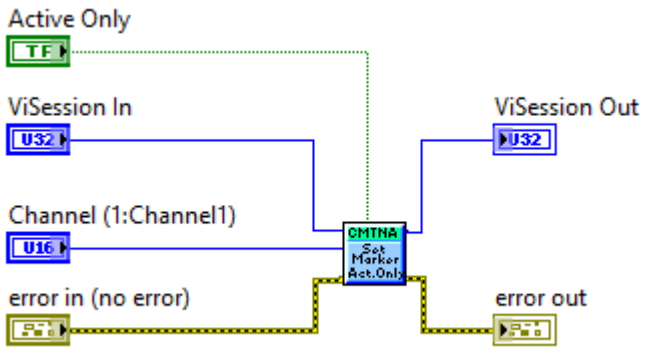
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Properties Marker Active Only

Description

Sets display either the active trace markers or the all trace markers.



Active Only

The state of the either the active trace markers or the all trace markers.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



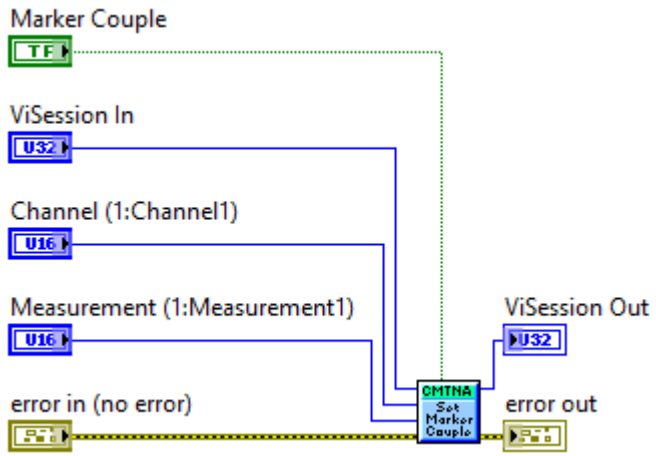
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Properties Marker Couple

Description

Turns ON/OFF the marker coupling between traces. When coupled the markers of different traces with same number track the X-axis position.



Marker Couple

The state of the marker coupling between traces.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



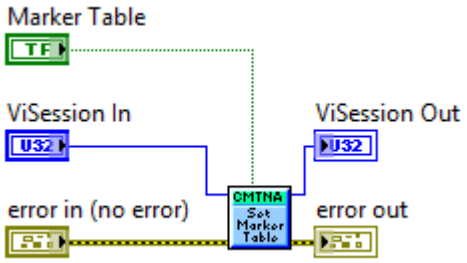
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Properties Marker Table

Description

Turns ON/OFF of the marker table.



Marker Table

The state of the marker table.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

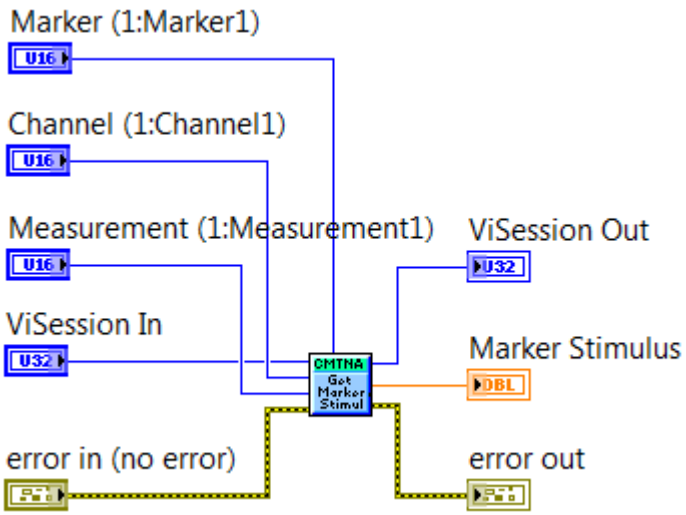
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Marker Stimulus

Description

Gets the stimulus value of the marker.



Marker (1:Marker1)

Specifies the marker for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Marker Stimulus

The stimulus value.



error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Marker Value

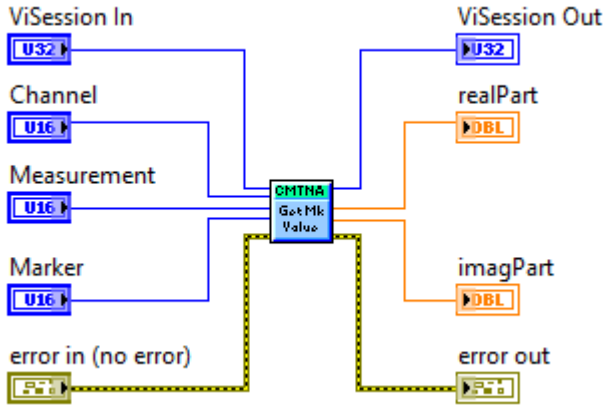
Description

Gets the response value of the marker.

If the reference marker is turned ON, the values of the markers from 1 to 15 are read out as relative values to the reference marker.

The data include 2 elements:

- <numeric 1> real number in rectangular format, real part in polar and Smith chart formats;
- <numeric 2> 0 in rectangular format, imaginary part in polar and Smith chart formats.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel

Specifies the channel for which this operation is targeted.

Measurement

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



Marker

Specifies the marker for which this operation is targeted.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



realPart

The real number in rectangular format, real part in polar and Smith chart formats.



imagePart

0 in rectangular format, imaginary part in polar and Smith chart formats.



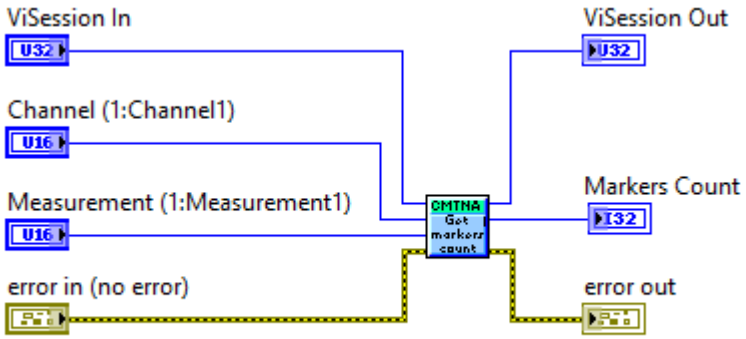
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Markers Count

Description

Gets the number of the turned ON markers.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Marker Count

The number of the turned ON markers.



error out

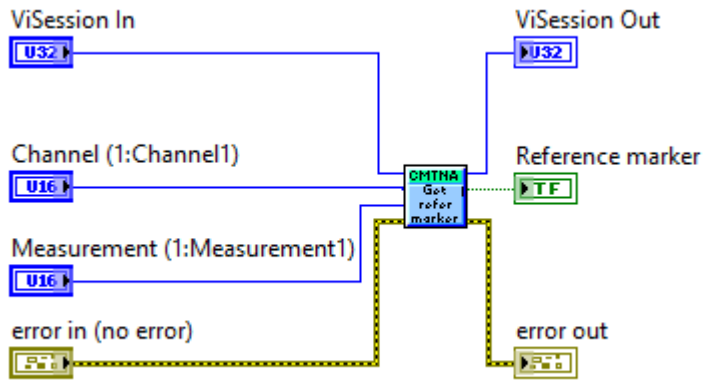
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Reference Marker

Description

Turns ON/OFF the reference marker.

When the reference marker is turned ON, all the values of the other markers turn to relative values.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Reference Marker

The state of the reference marker.



error out

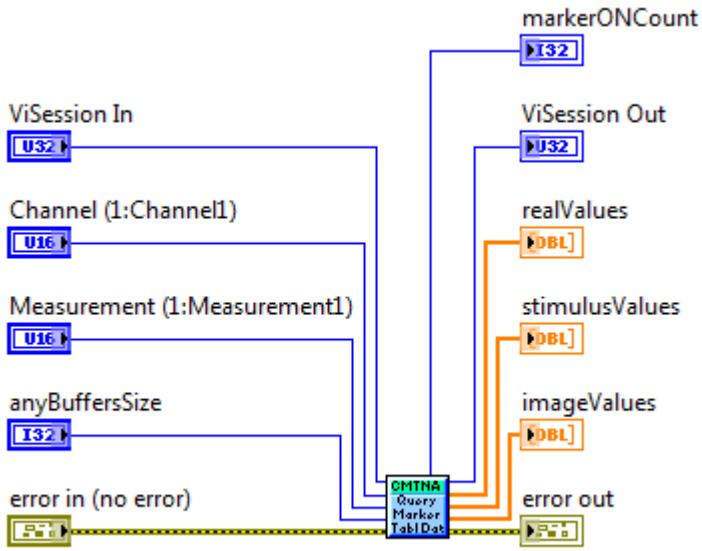
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Query Marker Table Data

Description

Gets the data array of all turned ON markers.

The array size is 3N + 1, where N is the number of turned ON markers including the reference marker. If the reference marker is turned ON the last three elements of array contain the reference marker data and the rest elements of array contain the relative values.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



anyBuffersSize

The size of the arrays to hold in the **stimulusValues, realValues, imageValues** parameters.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



markerONCount

The number of turned ON markers including the reference marker (N).



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



realValues

The real data in rectangular format, real part in polar and Smith chart formats of the n–th marker.



stimulusValues

The stimulus value of the n–th marker.



imageValues

0 in rectangular format, imaginary part in polar and Smith chart formats of the n–th marker.



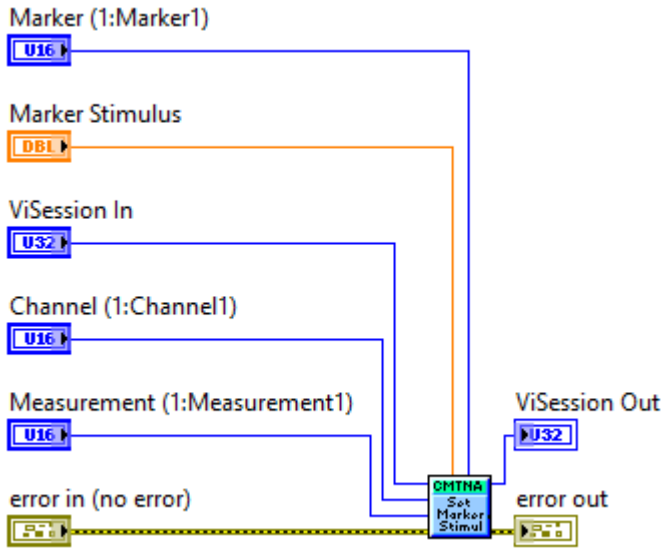
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Marker Stimulus

Description

Sets the stimulus value of the marker.



Marker (1:Marker1)

Specifies the marker for which this operation is targeted.

Marker Stimulus

The stimulus value.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



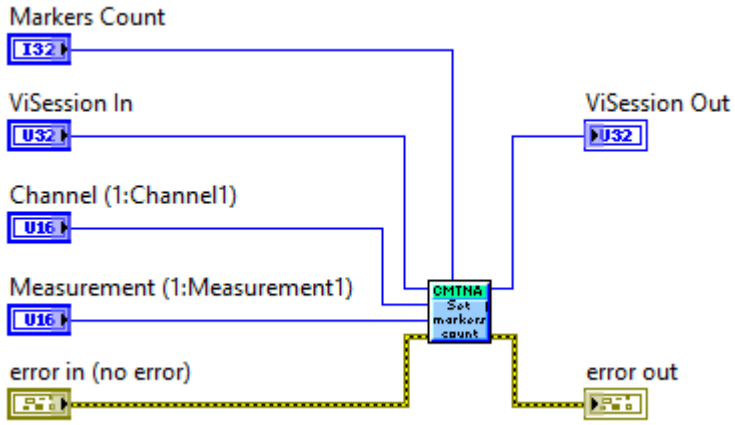
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Markers Count

Description

Sets the number of the turned ON markers.



Marker Count

The number of the turned ON markers.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

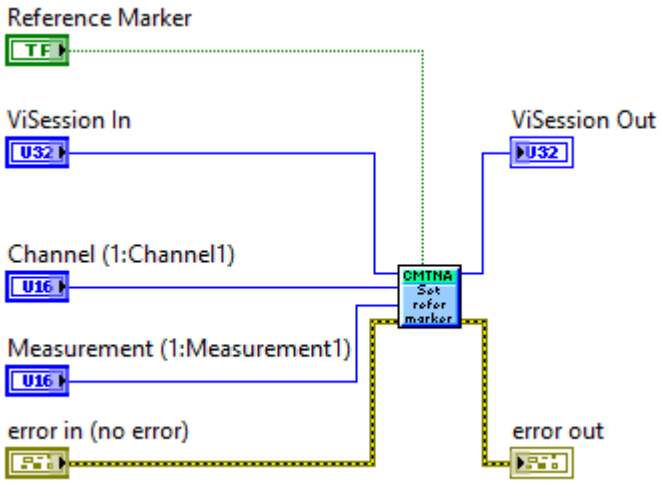
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Reference Marker

Description

Turns ON/OFF the reference marker.

When the reference marker is turned ON, all the values of the other markers turn to relative values.



Reference Marker

The state of the reference marker.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

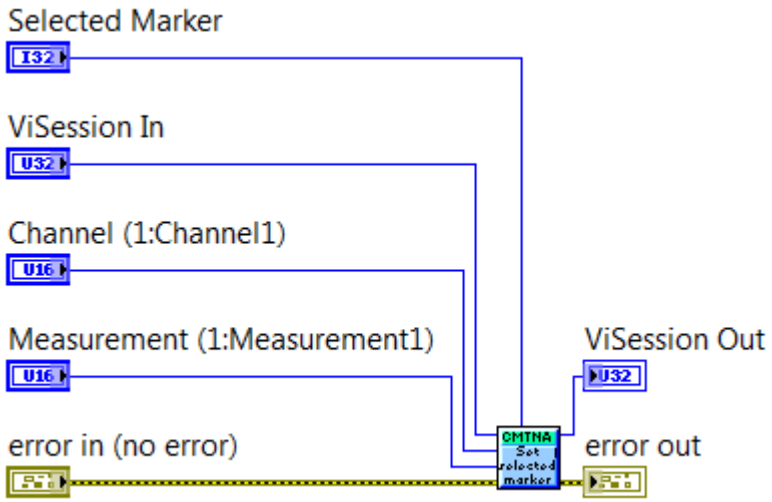
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Selected Marker

Description

Sets the active marker.

If the marker is not ON, this function will turn the marker ON. Turning ON a marker with the number from 1 to 15 will turn ON all the markers of smaller numbers. Turning ON the reference marker with number 16 does not turn ON the markers with the numbers from 1 to 15, but switchs these markers to the relative measurement mode.



Selected Marker

The active markers.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Analysis

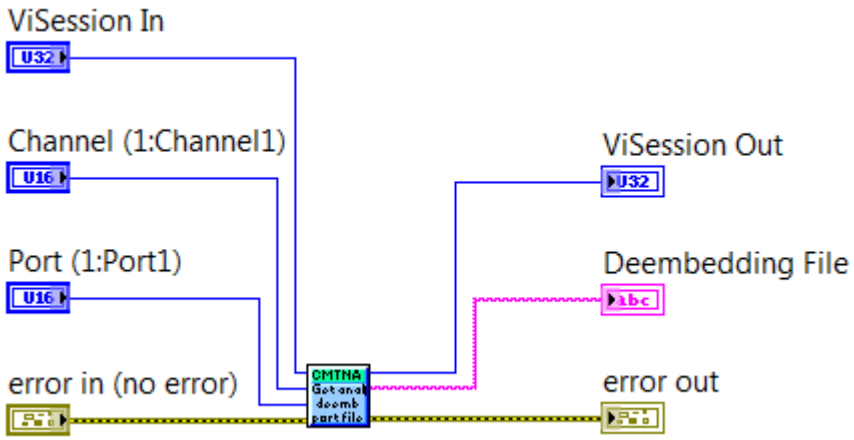
Fixture Simulator

Deembedding

Get Analysis Deembedding Port File

Description

Gets the name of *.s2p file of the de–embedded circuit of the 2-port network de–embedding function. The file contains the circuit S–parameters in Touchstone format.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the port for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Deembedding File

The name of file.



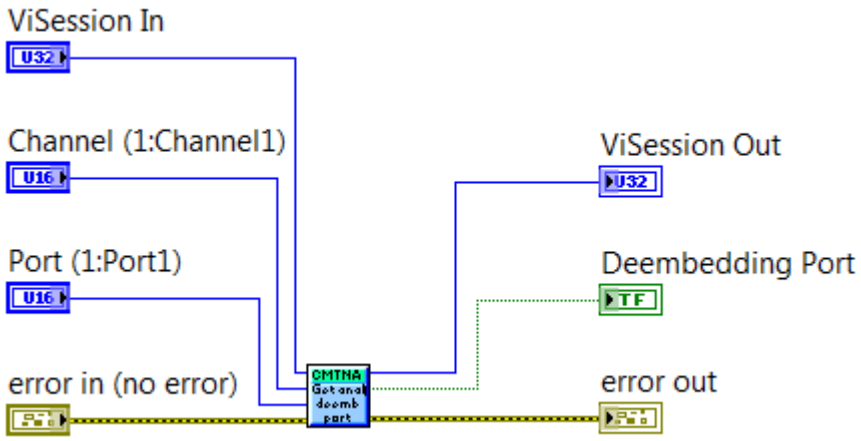
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Analysis Deembedding Port

Description

Turns ON/OFF the 2-port network de–embedding function for specified port.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the port for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Deembedding Port

The state of the 2-port network de–embedding function for specified port.



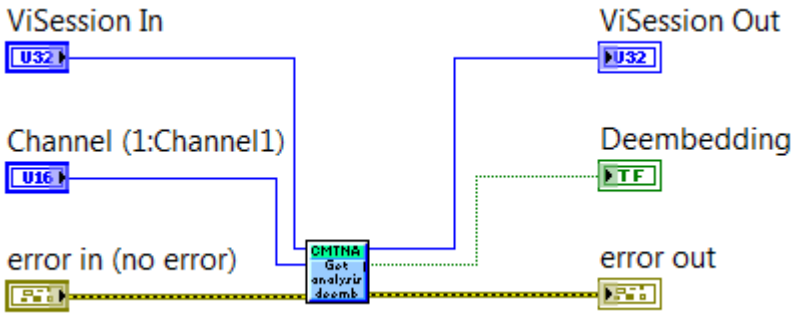
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Analysis Deembedding

Description

Turns ON/OFF the 2-port network de–embedding function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Deembedding

The state of the 2-port network de–embedding function.

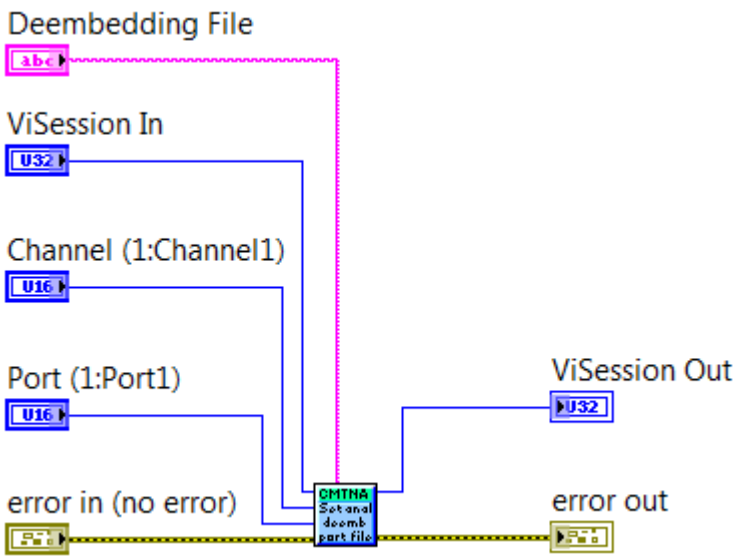
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Analysis Deembedding Port File

Description

Sets the name of *.s2p file of the de–embedded circuit of the 2-port network de–embedding function. The file contains the circuit S–parameters in Touchstone format.



Deembedding File

The name of file.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the port for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



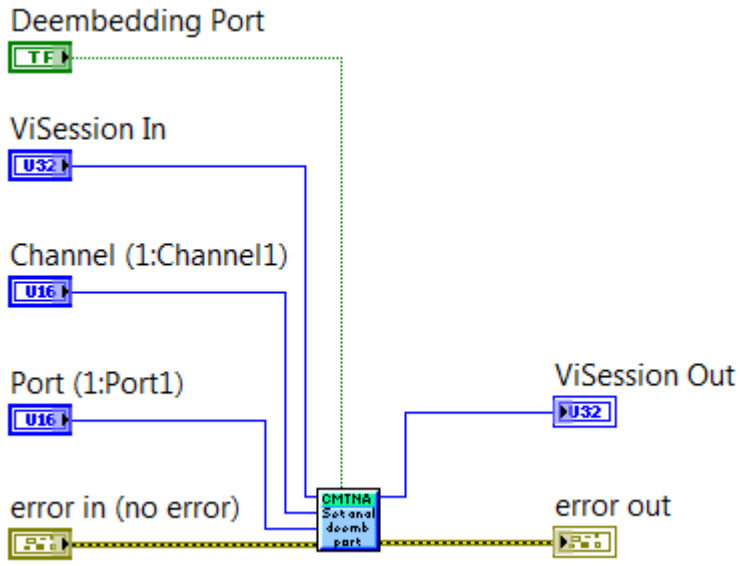
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Analysis Deembedding Port

Description

Turns ON/OFF the 2-port network de–embedding function for specified port.



Deembedding Port

The state of the 2-port network de–embedding function for specified port.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the port for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



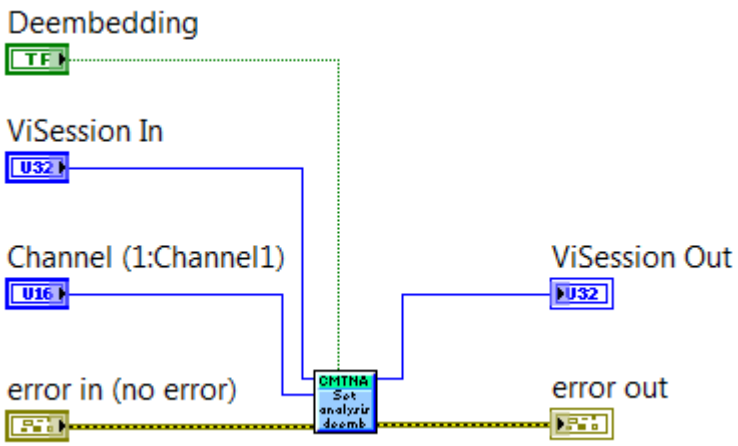
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Analysis Deembedding

Description

Turns ON/OFF the 2-port network de–embedding function.



Deembedding

The state of the 2-port network de–embedding function.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

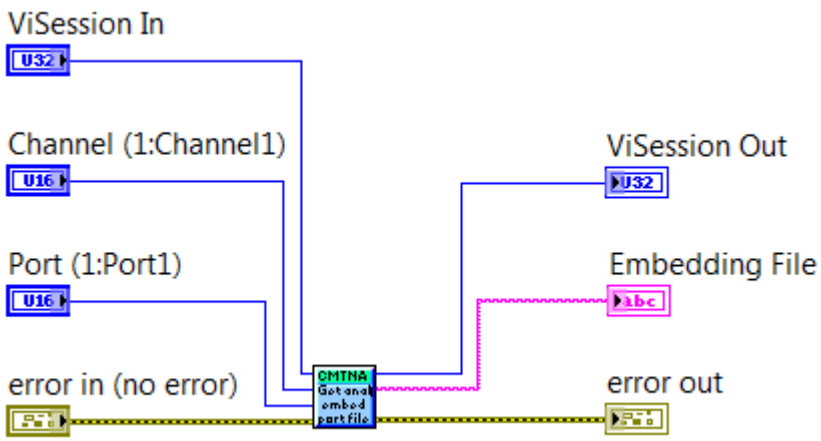
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Embedding

Get Analysis Embedding Port File

Description

Gets the name of *.s2p file of the embedded circuit of the 2-port network embedding function. The file contains the circuit S–parameters in Touchstone format.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the port for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Embedding File

The name of the file.



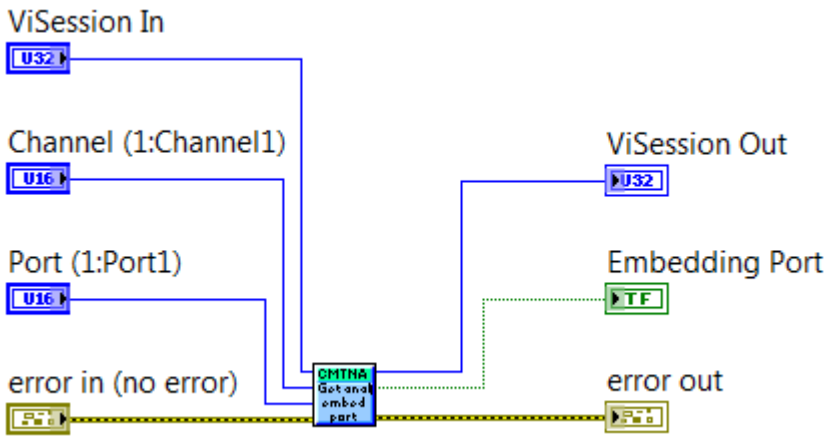
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Analysis Embedding Port

Description

Turns ON/OFF the 2-port network embedding function for each port.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the port for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Embedding Port

The state of the 2-port network embedding function for each port.



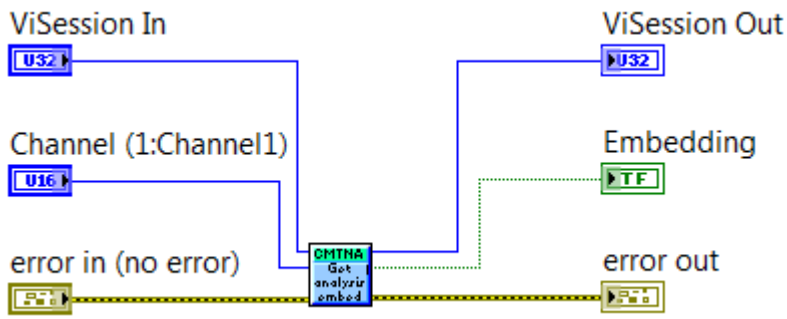
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Analysis Embedding

Description

Turns ON/OFF the 2-port network embedding function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Embedding

The state of the 2-port network embedding function.

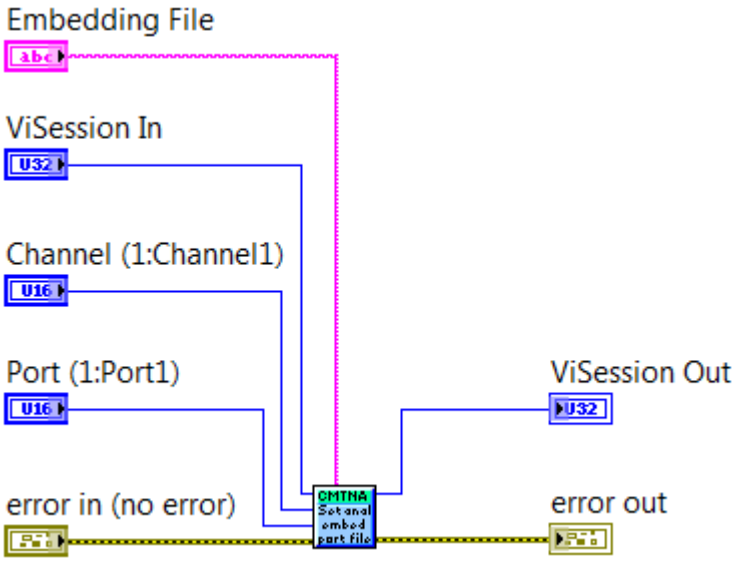
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Analysis Embedding Port File

Description

Sets the name of *.s2p file of the de–embedded circuit of the 2-port network de–embedding function. The file contains the circuit S–parameters in Touchstone format.



Embedding File

The name of file.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the port for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



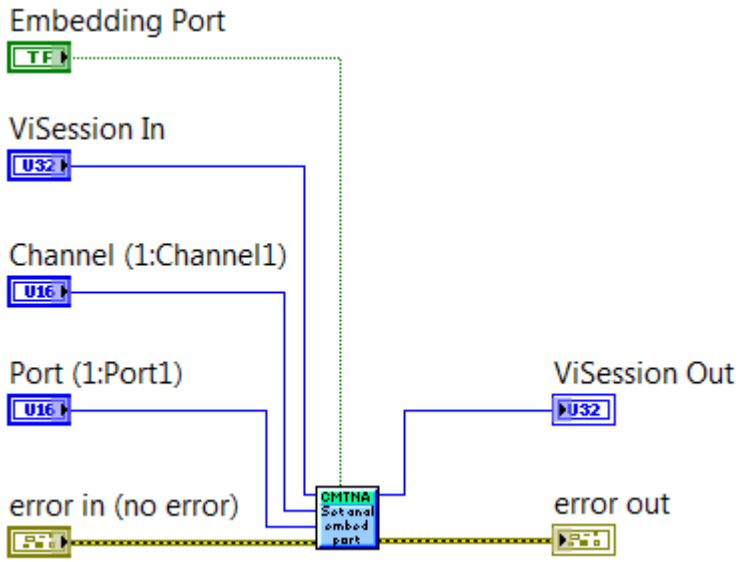
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Analysis Embedding Port

Description

Turns ON/OFF the 2-port network embedding function for each port.



Embedding Port

The state of the 2-port network embedding function for each port.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the port for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



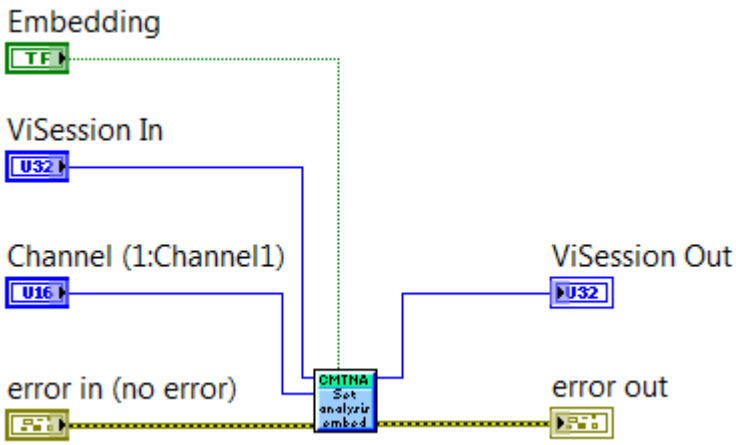
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Analysis Embedding

Description

Turns ON/OFF the 2-port network embedding function.



Embedding

The state of the 2-port network de–embedding function.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

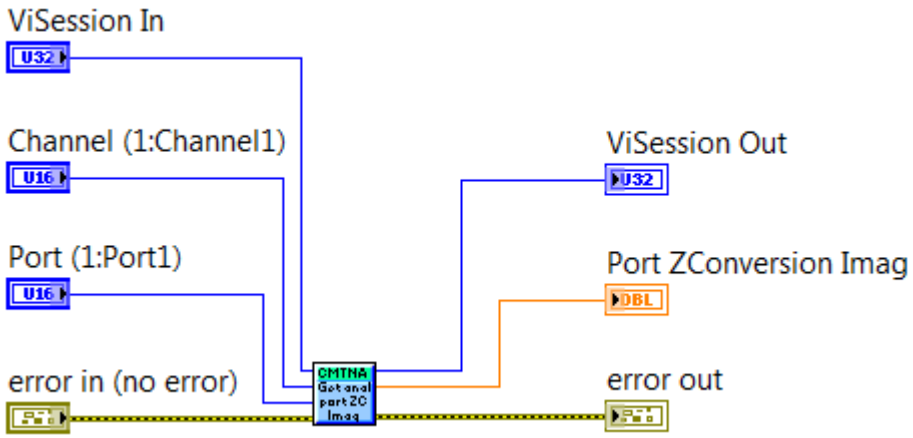
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Port ZConversion

Get Analysis Port ZConversion Imag

Description

Gets the imaginary part of the impedance of the port impedance conversion function. The value is expressed in Ohm (Ω).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the port for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Port ZConversion Imag

The imaginary part of the impedance.



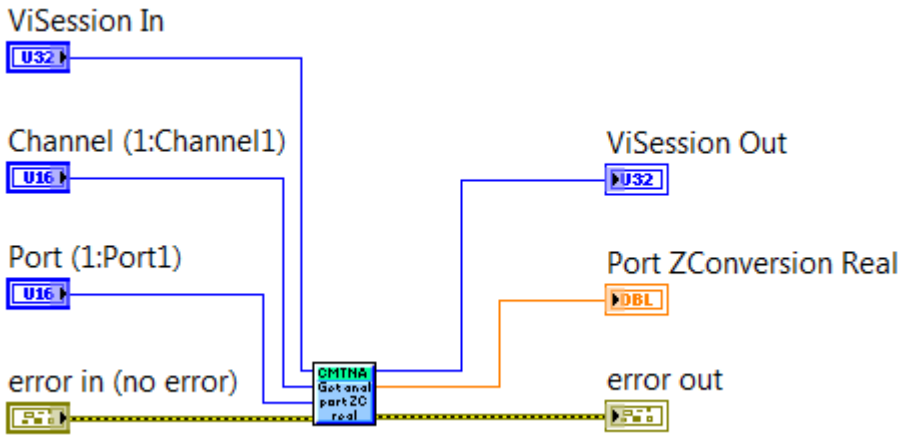
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Analysis Port ZConversion Real

Description

Gets the real part of the impedance of the port impedance conversion function. The value is expressed in Ohm (Ω).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the port for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Port ZConversion Real

The real part of the impedance.



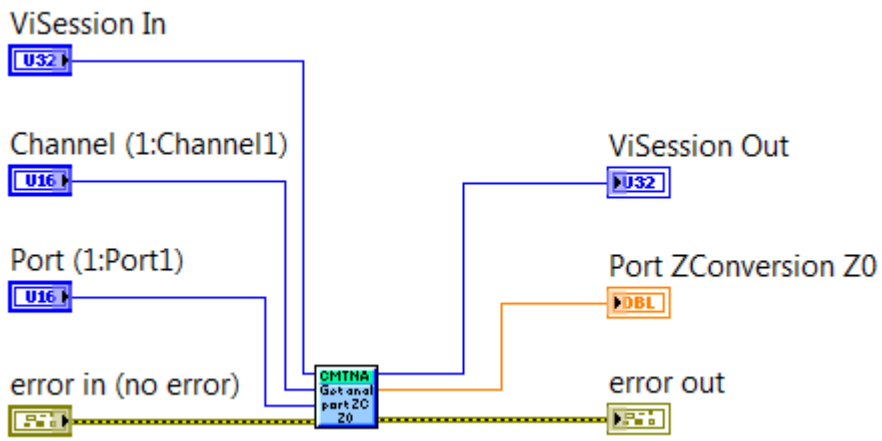
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Analysis Port ZConversion Z0

Description

Gets the value of the impedance for port impedance conversion function. The value is expressed in Ohm (Ω).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the port for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Port ZConversion ZO

The value of the impedance.



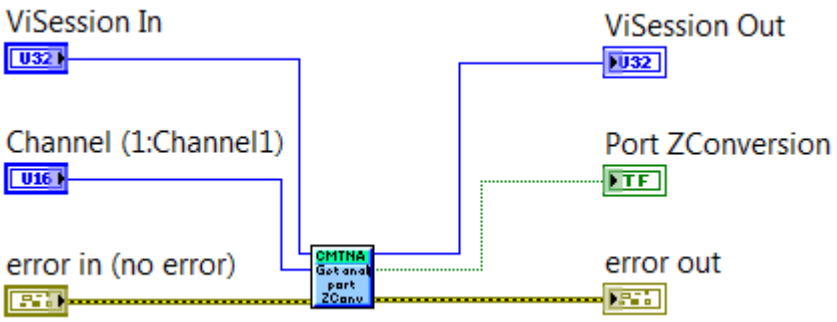
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Analysis Port ZConversion

Description

Turns ON/OFF the port impedance conversion function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Port ZConversion

The state of the port impedance conversion function.

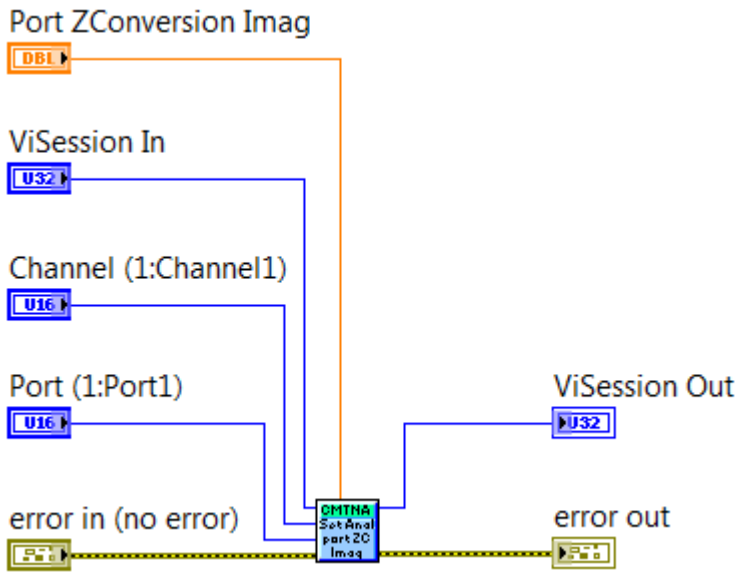
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Analysis Port ZConversion Imag

Description

Sets the imaginary part of the impedance of the port impedance conversion function. The value is expressed in Ohm (Ω).



Port ZConversion Imag

The imaginary part of the impedance.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the port for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



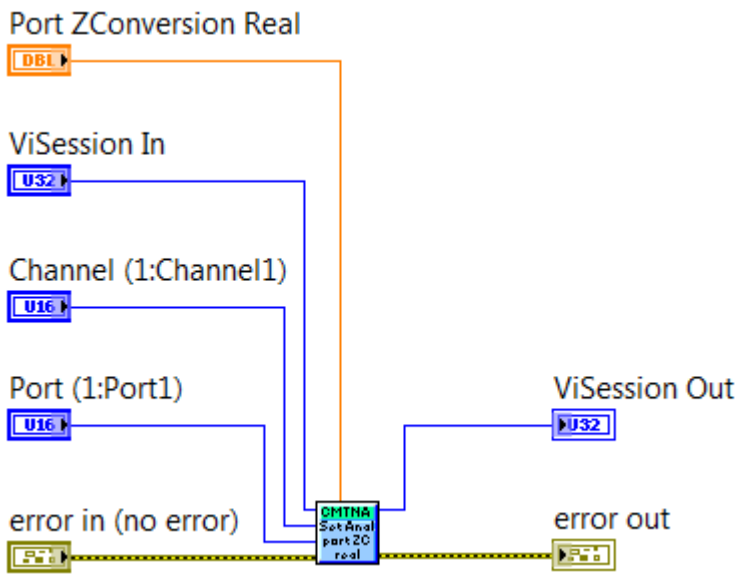
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Analysis Port ZConversion Real

Description

Sets the real part of the impedance of the port impedance conversion function. The value is expressed in Ohm (Ω).



Port ZConversion Real

The real part of the impedance.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the port for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



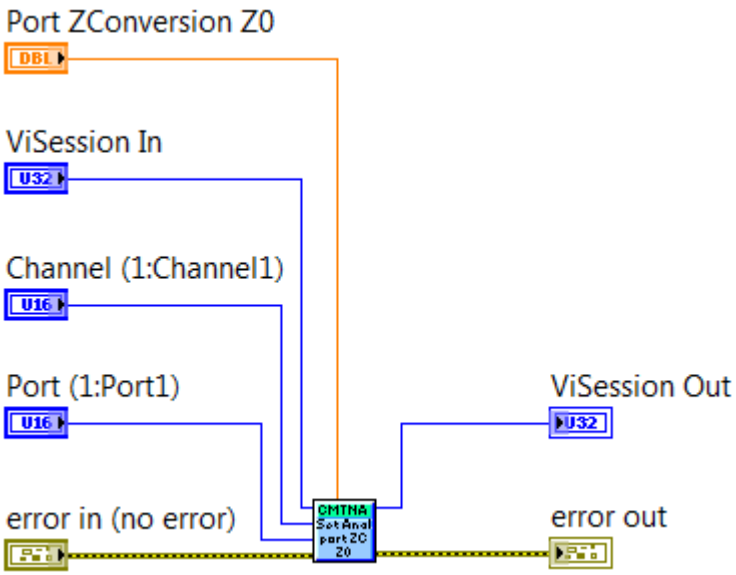
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Analysis Port ZConversion Z0

Description

Sets the value of the impedance for port impedance conversion function. The value is expressed in Ohm (Ω).



Port ZConversion Z0

The value of the impedance.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Port (1:Port1)

Specifies the port for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



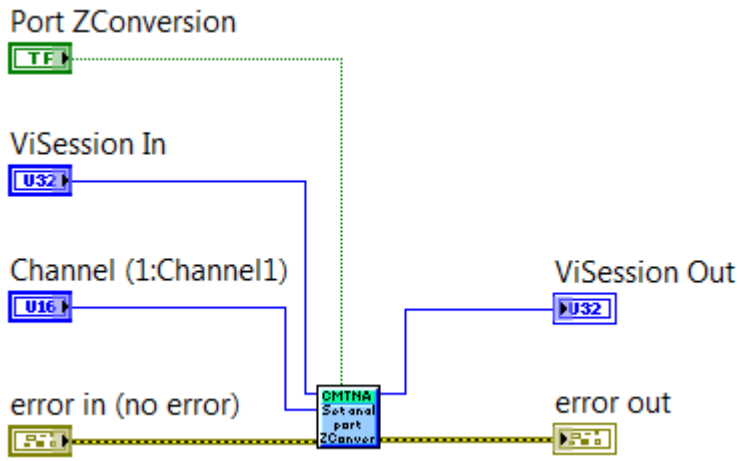
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Analysis Port ZConversion

Description

Turns ON/OFF the fixture simulation function.



Port ZConversion

The state of the port impedance conversion function.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



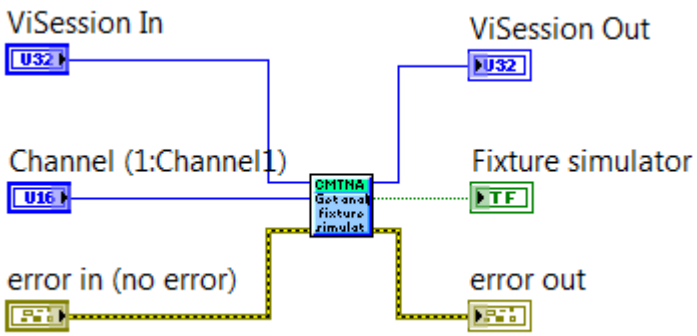
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Analysis Fixture Simulator

Description

Turns ON/OFF the fixture simulation function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Fixture simulator

The state of the fixture simulation function.

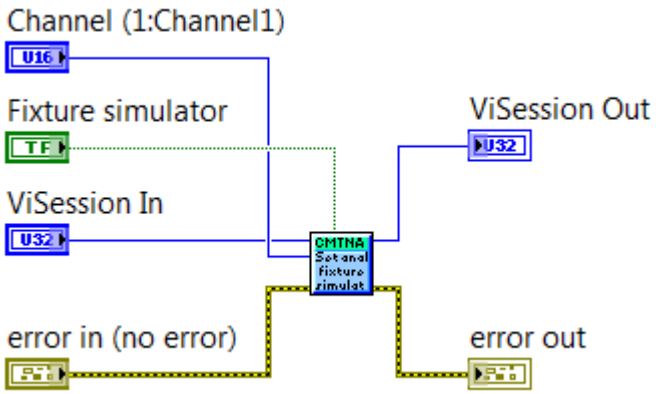
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Analysis Fixture Simulator

Description

Turns ON/OFF the fixture simulation function.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Fixture simulator

The state of the fixture simulation function.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

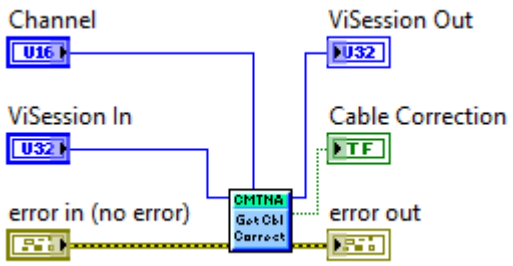
Time Domain

Cable Correction

Get Time Domain Cable Correction

Description

Turns ON/OFF the cable correction when the time domain transformation function is turned ON.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Cable Correction

The state of the cable correction.



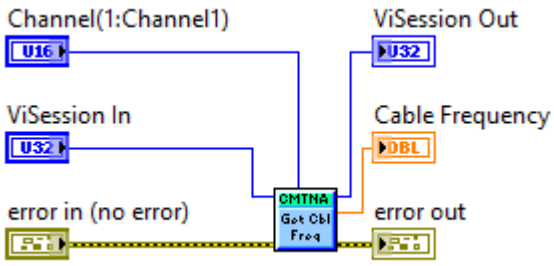
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Time Domain Cable Freq

Description

Gets the frequency value at which the cable loss specified for the cable correction function, when the time domain transformation function is turned ON. The value is expressed in Hertz (Hz).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Cable Frequency

The frequency value.

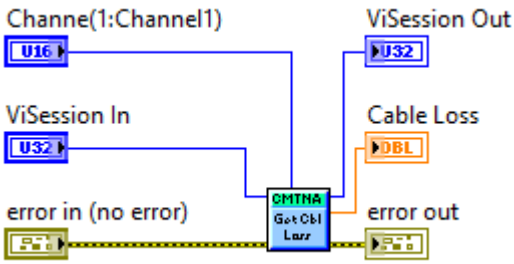
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Time Domain Cable Loss

Description

Gets the cable loss value for the cable correction function, when the time domain transformation function is turned ON. The value is expressed in decibell/meter (dB/m).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Cable Loss

The cable loss value.

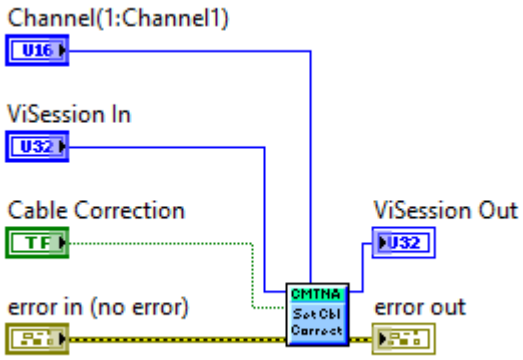
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Time Domain Cable Correction

Description

Turns ON/OFF the cable correction when the time domain transformation function is turned ON.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Cable Correction

The state of the cable correction.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



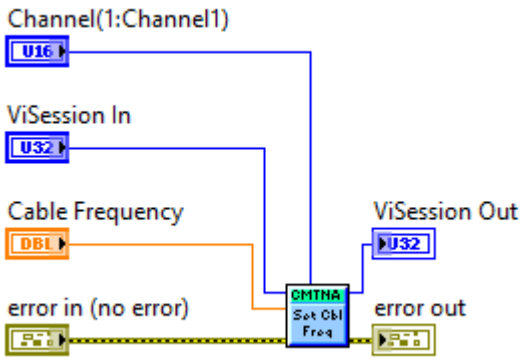
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Time Domain Cable Freq

Description

Sets the frequency value at which the cable loss specified for the cable correction function, when the time domain transformation function is turned ON. The value is expressed in Hertz (Hz).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Cable Frequency

The frequency value.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



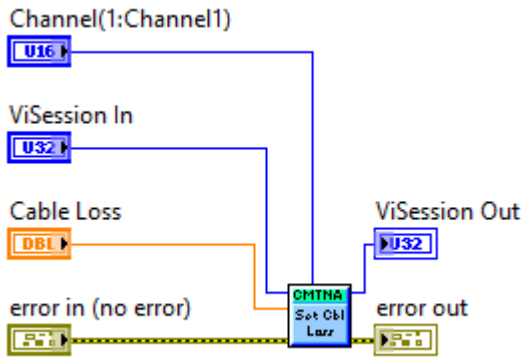
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Time Domain Cable Loss

Description

Sets the cable loss value for the cable correction function, when the time domain transformation function is turned ON. The value is expressed in decibell/meter (dB/m).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Cable Loss

The cable loss value.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



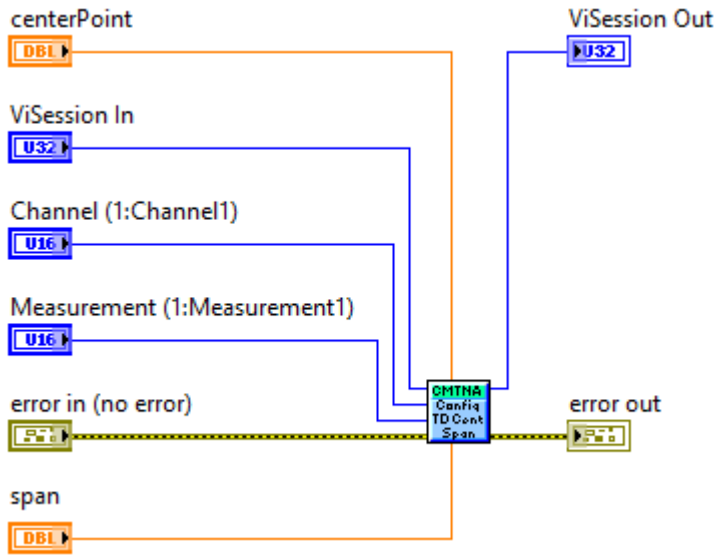
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Configure Time Domain Center Span

Description

Configures the center and span values for the time-domain analysis.



centerPoint

The time domain center value.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



span

The time domain span value.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



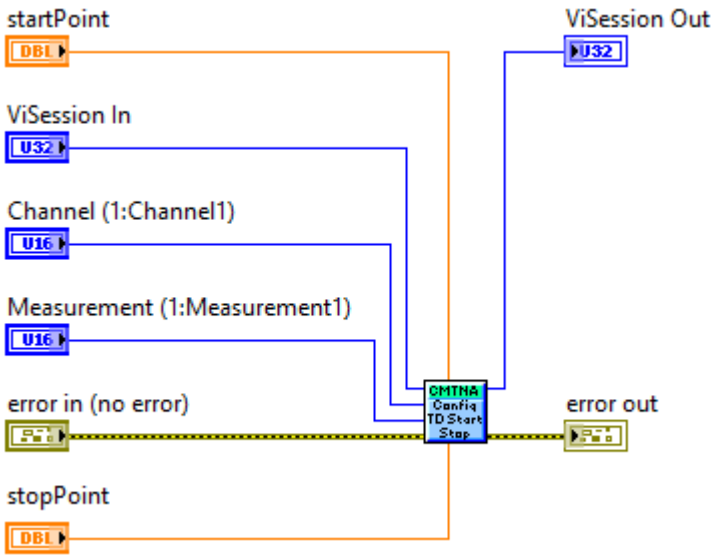
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Configure Time Domain Start Stop

Description

Configures the start and stop values for the time-domain analysis. This function configures the start and stop points in terms of time.



---

startPoint

The time domain start value.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



stopPoint

The time domain stop value.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



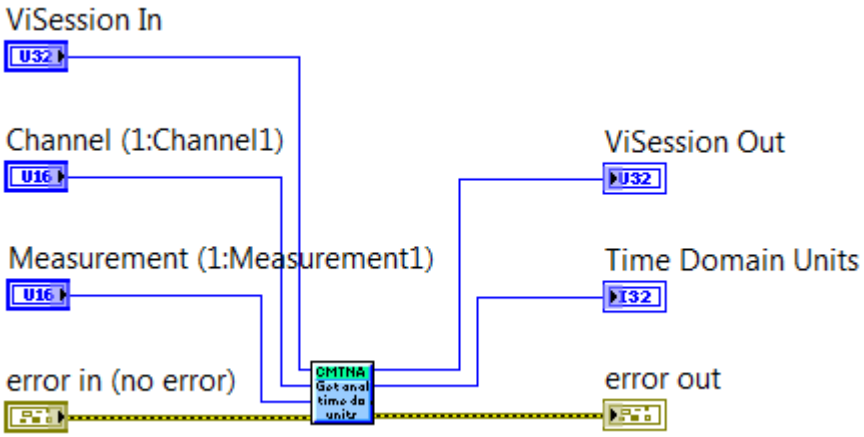
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Analysis Time Domain Units

Description

Gets the transformation unit for the time domain transformation function: seconds, meters, feet.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Time Domain Units

The transformation unit.

Valid list of return values:

0: Seconds

1: Meters

2: Feet



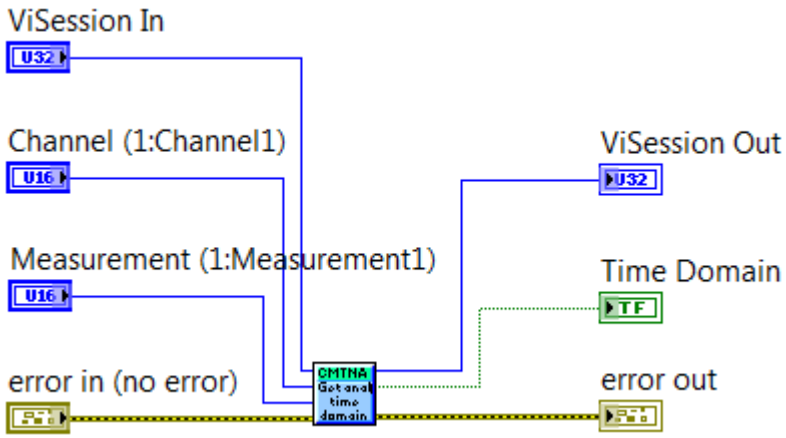
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Analysis Time Domain

Description

Turns ON/OFF the time domain transformation function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Time Domain

The state of the time domain transformation function.



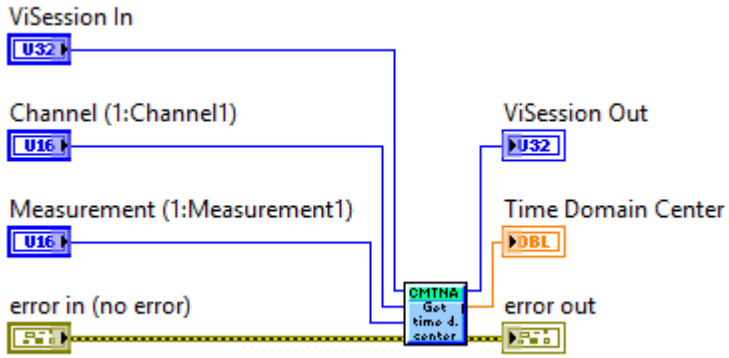
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Time Domain Center

Description

Gets the time domain center value, when the time domain transformation function is turned ON. The value is expressed in second (sec).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Time Domain Center

The time domain center value.



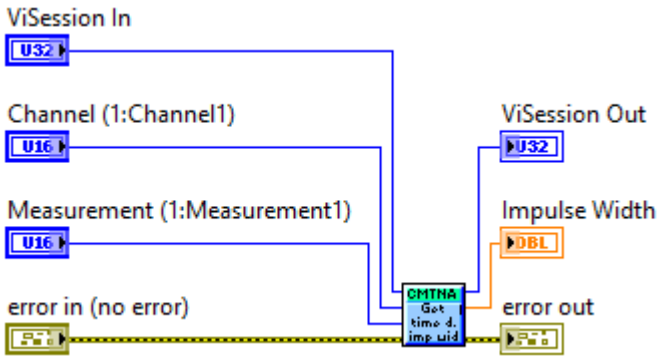
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Time Domain Impulse Width

Description

Gets the impulse width (time domain transformation resolution), coupled with the Kaiser–Bessel window shape β parameter. The impulse width setting changes the β parameter, and setting of β parameter changes the impulse width. The value is expressed in seconds (sec).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Impulse Width

The impulse width.



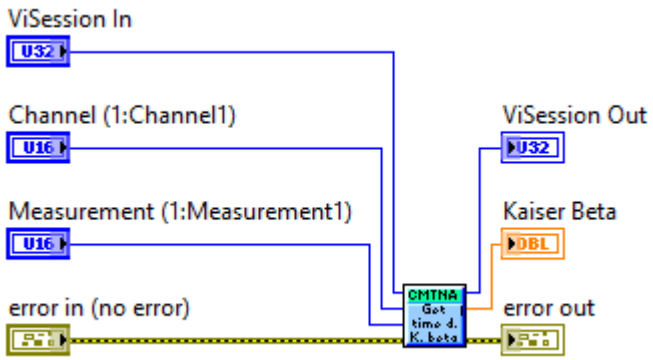
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Time Domain Kaiser Beta

Description

Gets the β parameter, which controls the Kaiser–Bessel window shape, when performing time domain transformation.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Kaiser Beta

The β parameter.



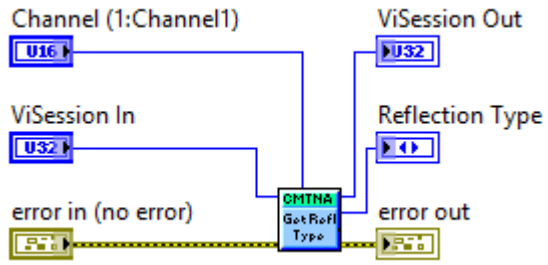
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Time Domain Reflection Type

Description

Gets the reflection distance either one way or round trip for the time domain transformation function.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Reflection Type

The reflection distance.

Valid list of return values:

0: Round Trip

1: One Way



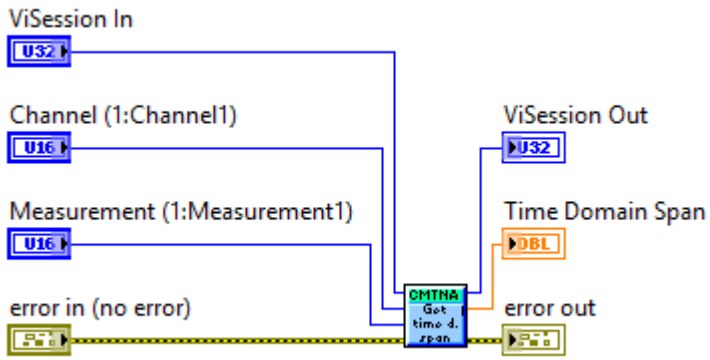
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Time Domain Span

Description

Gets the time domain span value, when the time domain transformation function is turned ON. The value is expressed in second (sec).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Time Domain Span

The time domain span value.



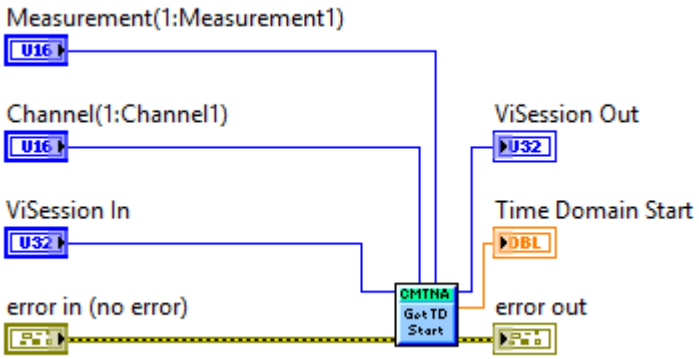
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Time Domain Start

Description

Gets the time domain start value, when the time domain transformation function is turned ON. The value is expressed in second (sec).



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Time Domain Start

The time domain start value.



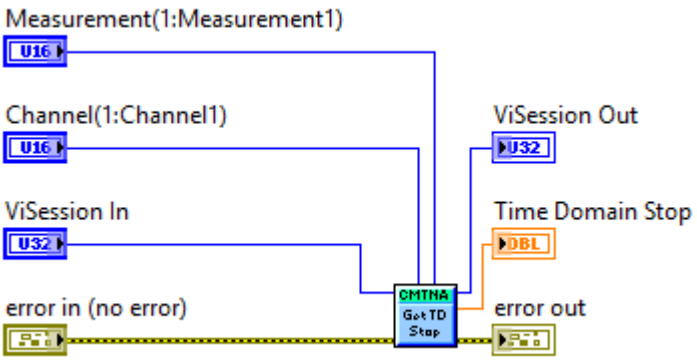
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Time Domain Stop

Description

Gets the time domain stop value, when the time domain transformation function is turned ON. The value is expressed in second (sec).



Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Time Domain Stop

The time domain stop value.



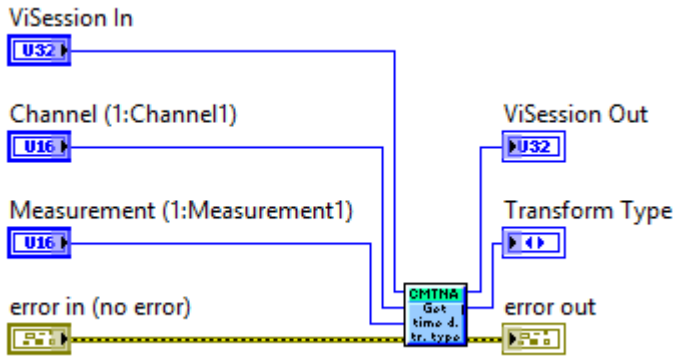
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Time Domain Transform Type

Description

Gets the stimulus type for the time domain transformation function.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Transform Type

The stimulus type.

Valid list of return values:

0: Bandpass

1: Lowpass Step

2: Lowpass Impulse



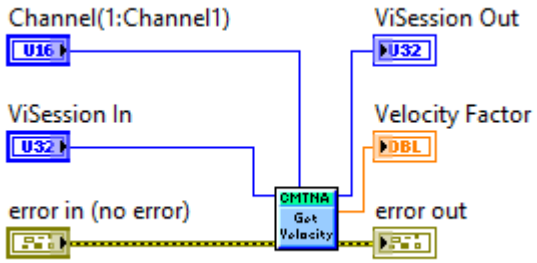
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Time Domain Velocity Factor

Description

Gets the cable relative wave speed velocity for the cable correction function, when the time domain transformation function is turned ON.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Velocity Factor

The cable relative wave speed velocity.

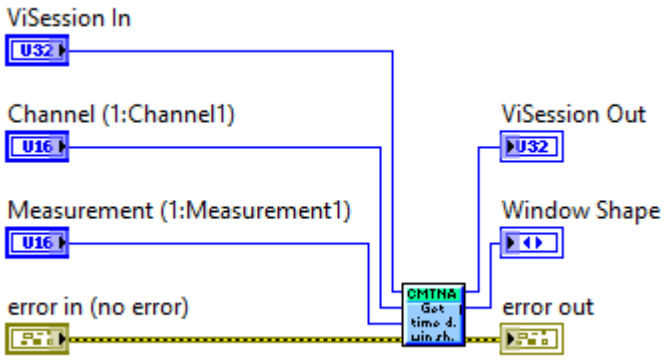
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Time Domain Window Shape

Description

Gets the window shape the Kaiser–Bessel window shape, when performing time domain transformation.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Window Shape

The window shape the Kaiser–Bessel window shape.

Valid list of return values:

0: Maximum

1: Normal

2: Minimum

3: Arbitrary



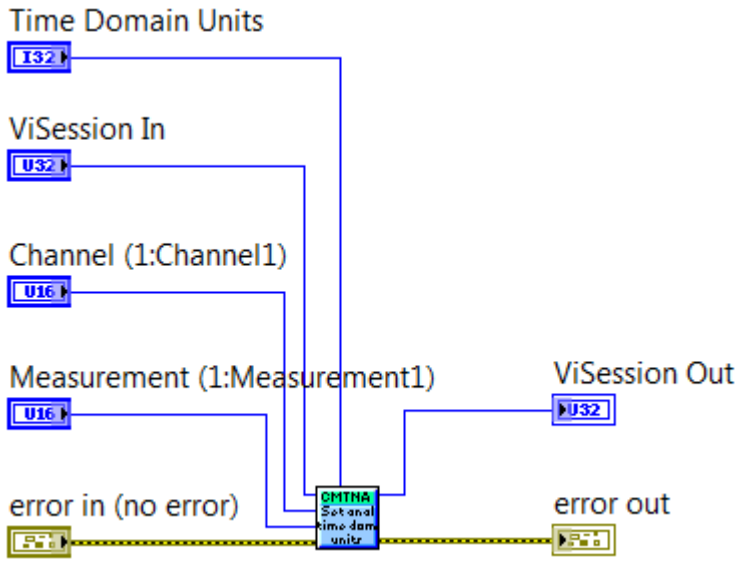
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Analysis Time Domain Units

Description

Sets the transformation unit for the time domain transformation function: seconds, meters, feet.



Time Domain Units

The transformation unit.

Valid list of return values:

0: Seconds

1: Meters

2: Feet

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.



Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



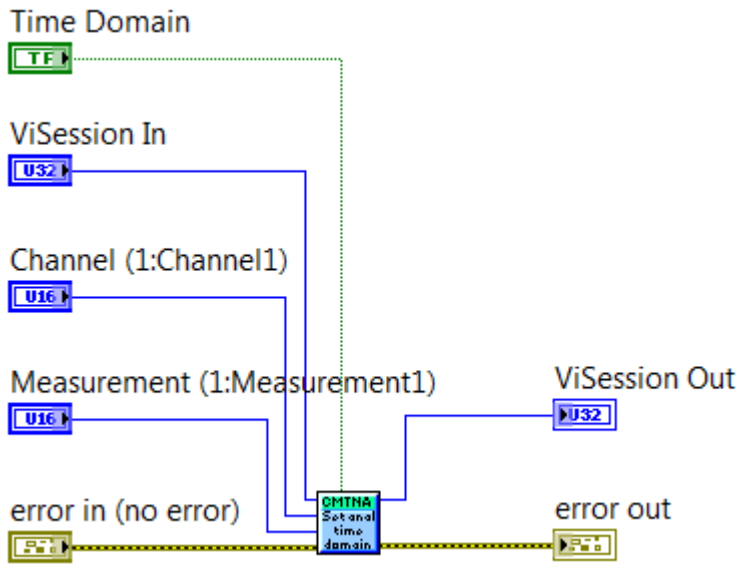
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Analysis Time Domain

Description

Turns ON/OFF the time domain transformation function.



Time Domain

The state of the time domain transformation function.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



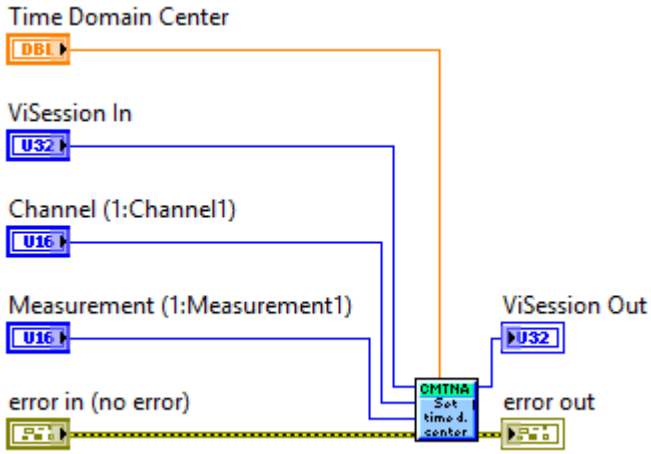
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Time Domain Center

Description

Sets the time domain center value, when the time domain transformation function is turned ON. The value is expressed in second (sec).



Time Domain Center

The time domain center value.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



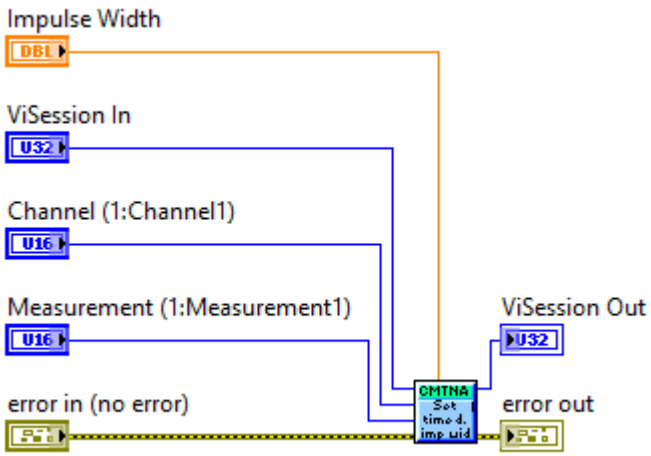
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Time Domain Impulse Width

Description

Sets the impulse width (time domain transformation resolution), coupled with the Kaiser–Bessel window shape β parameter. The impulse width setting changes the β parameter, and setting of β parameter changes the impulse width. The value is expressed in seconds (sec).



Impulse Width

The impulse width.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



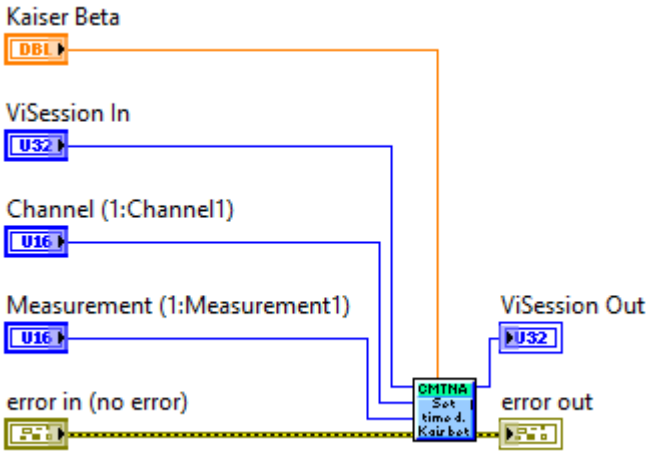
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Time Domain Kaiser Beta

Description

Sets the β parameter, which controls the Kaiser–Bessel window shape, when performing time domain transformation.



Kaiser Beta

The β parameter.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



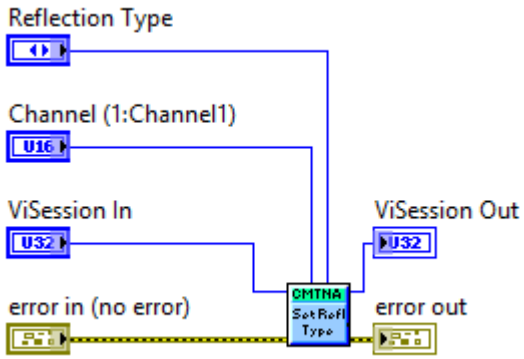
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Time Domain Reflection Type

Description

Sets the reflection distance either one way or round trip for the time domain transformation function.



Reflection Type

The reflection distance.

Valid list of return values:

0: Round Trip

1: One Way

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



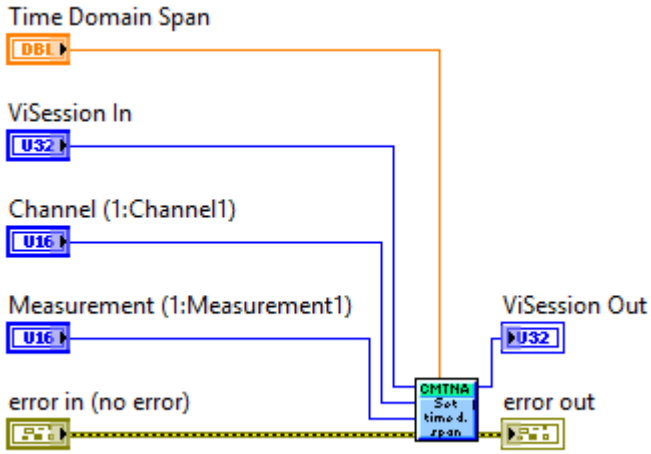
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Time Domain Span

Description

Sets the time domain span value, when the time domain transformation function is turned ON. The value is expressed in second (sec).



Time Domain Span

The time domain span value.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



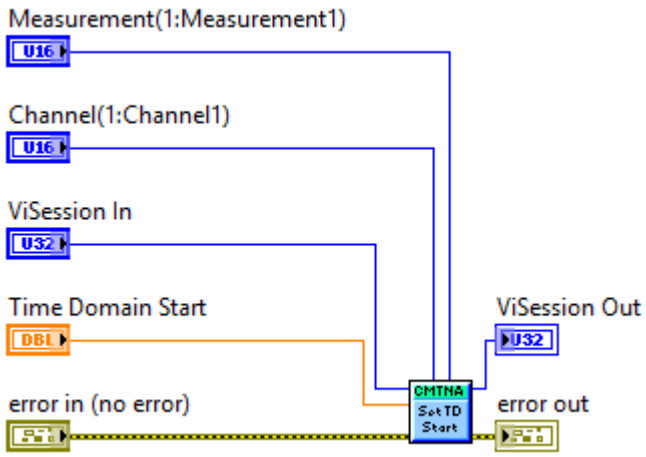
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Time Domain Start

Description

Sets the time domain start value, when the time domain transformation function is turned ON. The value is expressed in second (sec).



Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Time Domain Start

The time domain start value.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



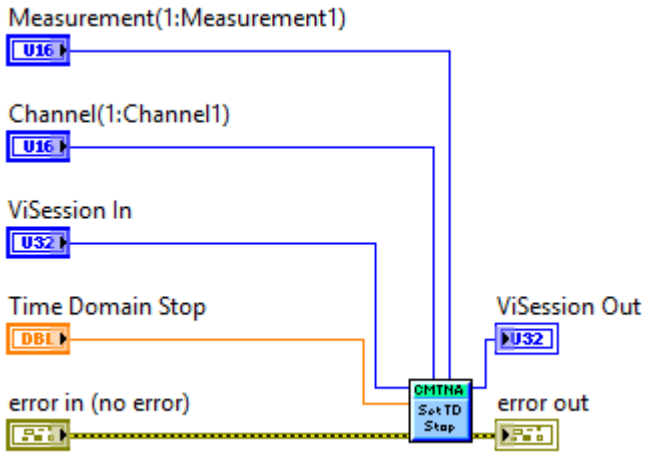
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Time Domain Stop

Description

Sets the time domain stop value, when the time domain transformation function is turned ON. The value is expressed in second (sec).



Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Time Domain Stop

The time domain stop value.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



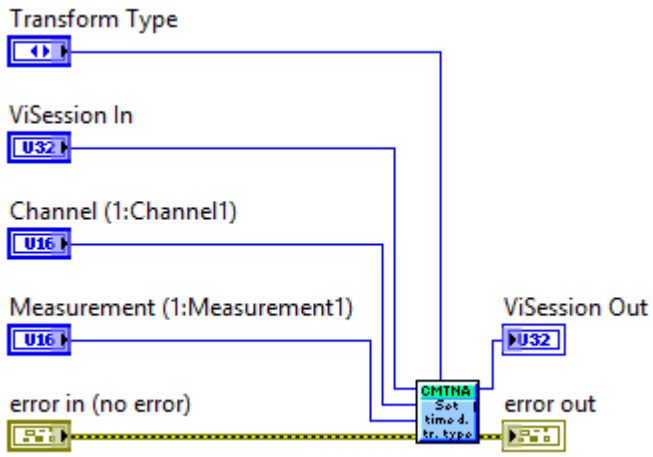
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Time Domain Transform Type

Description

Sets the stimulus type for the time domain transformation function.



Transform Type

The stimulus type.

Valid list of values:

0: Bandpass

1: Lowpass Step

2: Lowpass Impulse

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



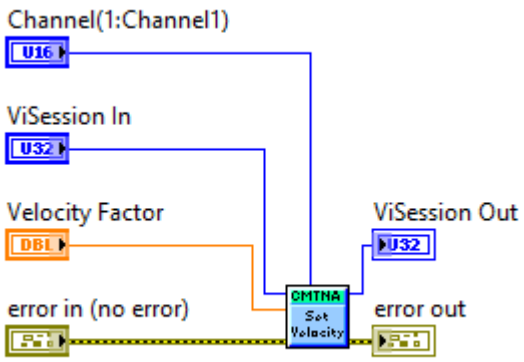
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Time Domain Velocity Factor

Description

Sets the cable relative wave speed velocity for the cable correction function, when the time domain transformation function is turned ON.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Velocity Factor

The cable relative wave speed velocity.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



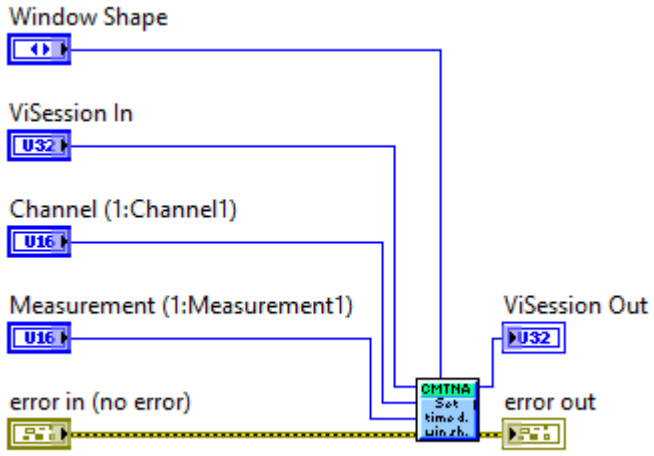
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Time Domain Window Shape

Description

Sets the window shape the Kaiser–Bessel window shape, when performing time domain transformation.



Window Shape

The window shape the Kaiser–Bessel window shape.

Valid list of values:

0: Maximum

1: Normal

2: Minimum

3: Arbitrary

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



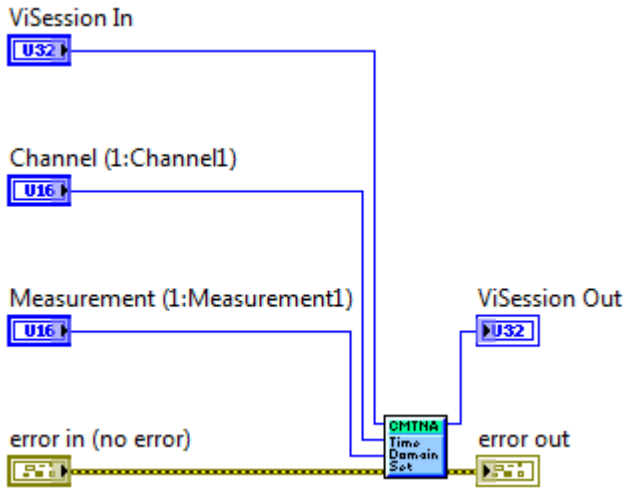
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Time Domain Set Frequency Low Pass

Description

Changes the frequency range to match with the low-pass type of the time domain transformation function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

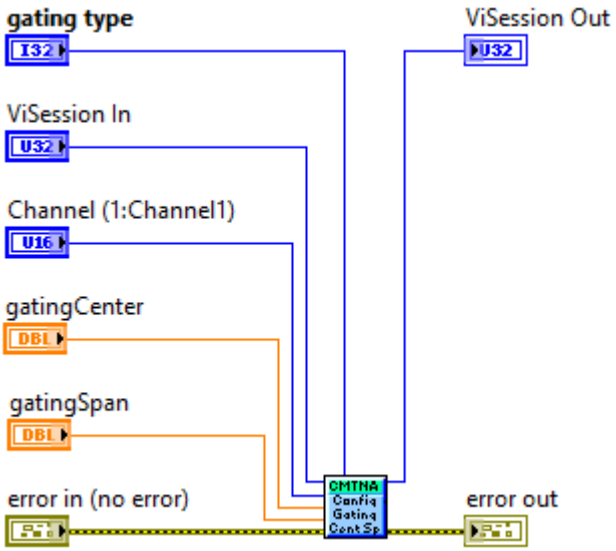
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Gating

Configure Gating Center Span

Description

Configures the start and stop values of the gating function. This function configures the start and stop points in terms of time.



---

gating type

The gating function type.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

gating Center

The gating function center value.

gating Span

The gating function span value.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



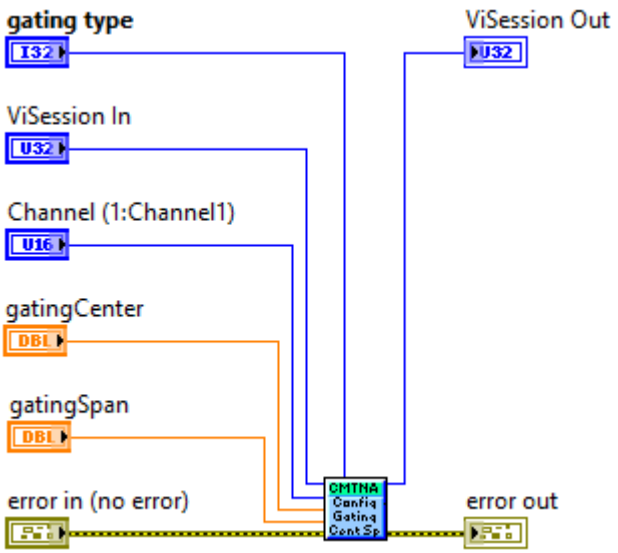
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Configure Gating Start Stop

Description

Configures the start and stop values of the gating function. This function configures the start and stop points in terms of time.



---

gating type

The gating function type.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

gating Start

The gating function start value.

gating Stop

The gating function span value.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



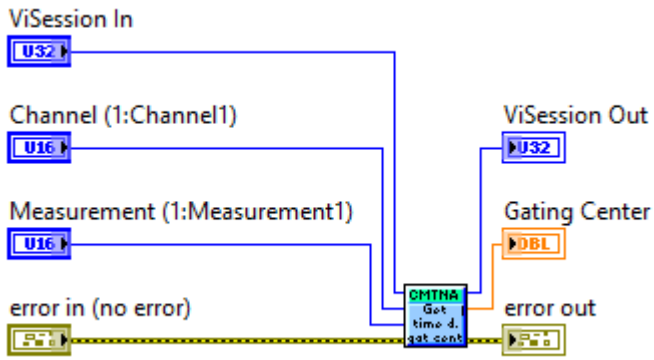
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Time Domain Gating Center

Description

Gets the gate center value of the gating function. The value is expressed in seconds (sec).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Gating Center

The gate center value.



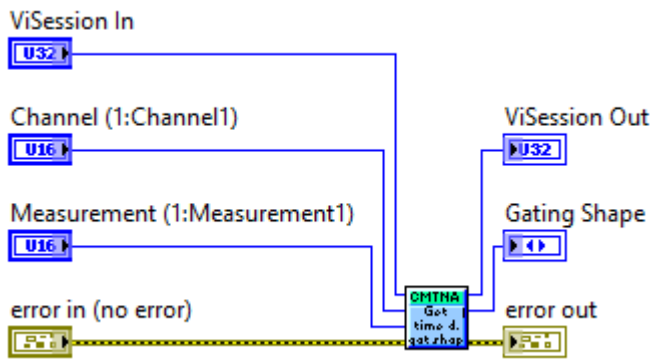
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Time Domain Gating Shape

Description

Gets the gate shape of the gating function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Gating Shape

The gate shape.

Valid list of return values:

0: Maximum

1: Wide

2: Normal

3: Minimum



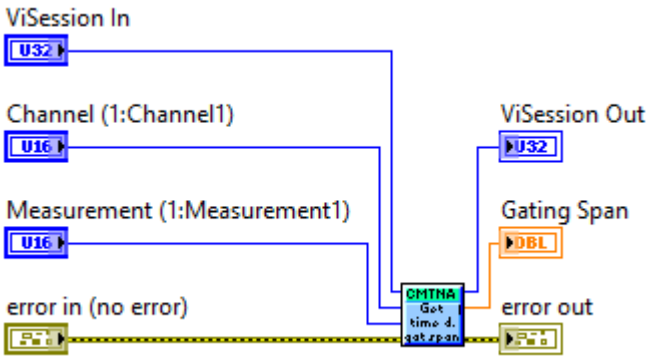
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Time Domain Gating Span

Description

Gets the gate span value of the gating function. The value is expressed in seconds (sec).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Gating Span

The gate span value.



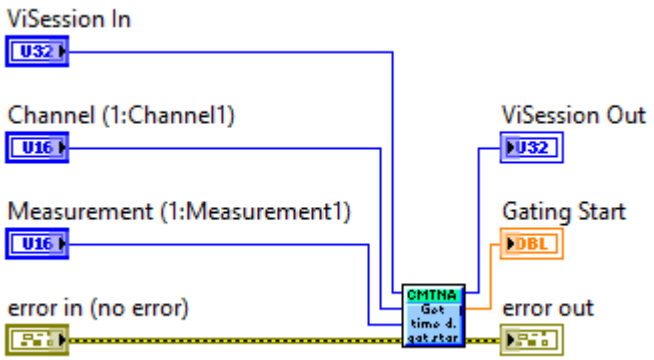
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Time Domain Gating Start

Description

Gets the gate start value of the gating function. The value is expressed in seconds (sec).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Gating Start

The gate start value.



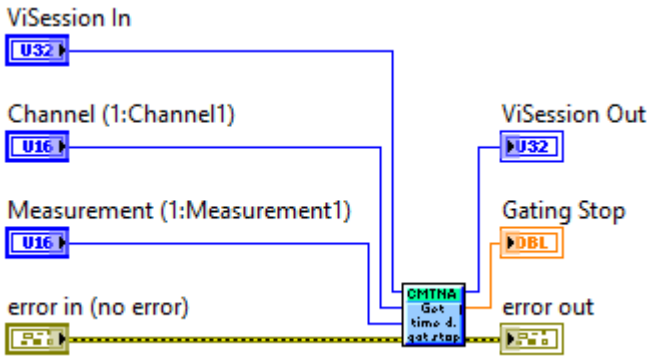
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Time Domain Gating Stop

Description

Gets the gate stop value of the gating function. The value is expressed in seconds (sec).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Gating Stop

The gate stop value.



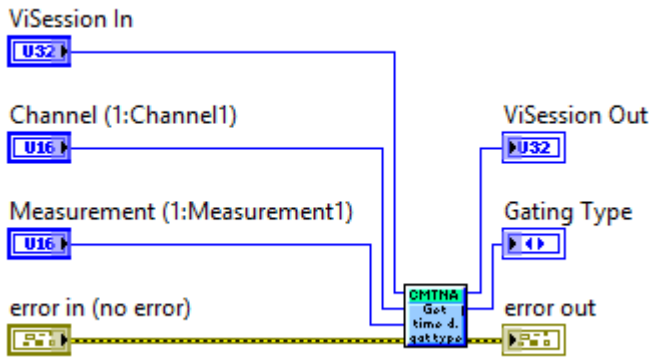
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Time Domain Gating Type

Description

Gets the gate type of the gating function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Gating Type

The gate type.

Valid list of return values:

0: Bandpass

1: Notch



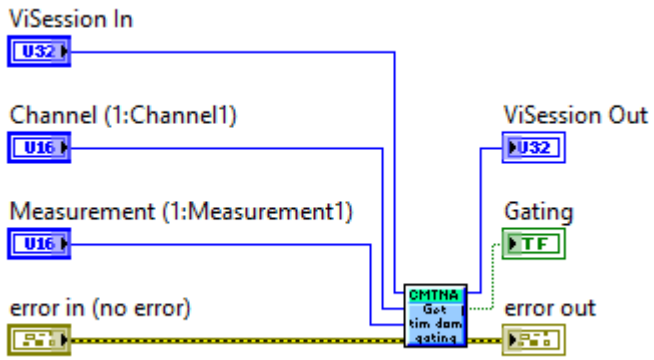
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Time Domain Gating

Description

Turns ON/OFF the gating function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Gating

The state of the gating function.



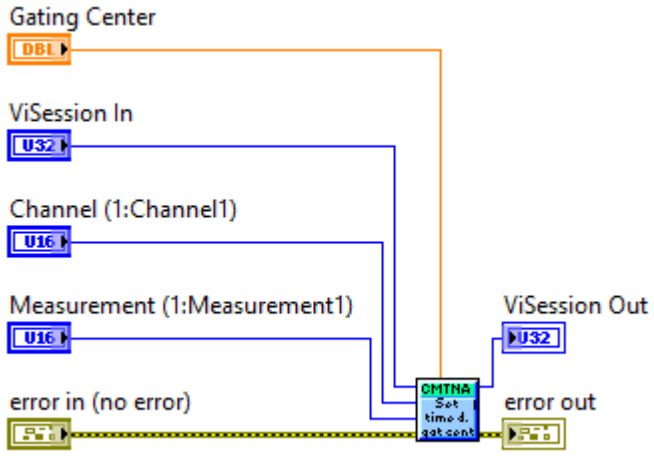
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Time Domain Gating Center

Description

Sets the gate center value of the gating function. The value is expressed in seconds (sec).



Gating Center

The gate center value.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



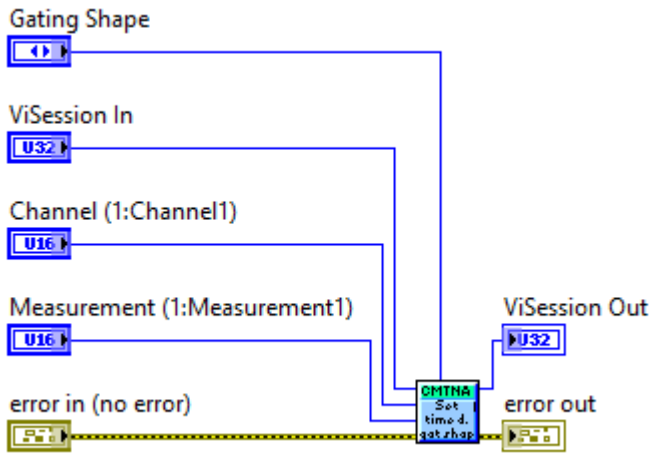
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Time Domain Gating Shape

Description

Sets the gate shape of the gating function.



Gating Shape

The gate shape.

Valid list of return values:

0: Maximum.

1: Wide

2: Normal

3: Minimum

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



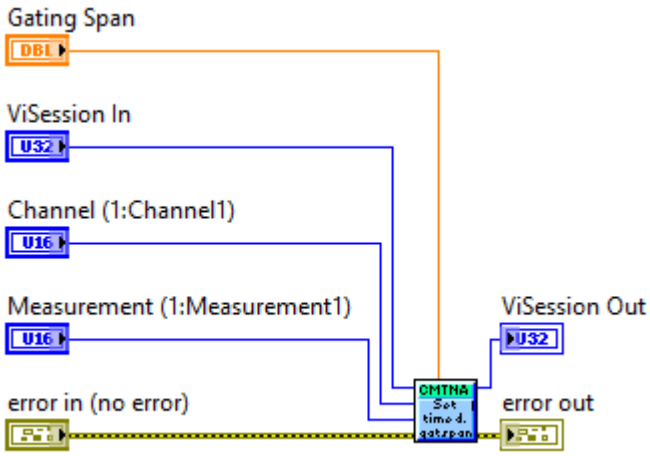
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Time Domain Gating Span

Description

Sets the gate span value of the gating function. The value is expressed in seconds (sec).



Gating Span

The gate span value.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



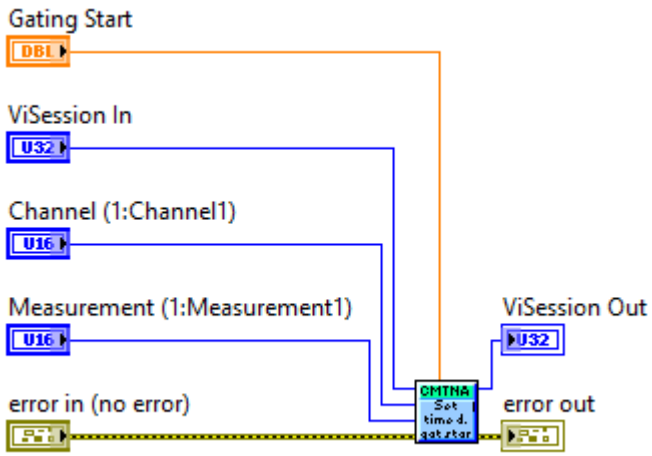
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Time Domain Gating Start

Description

Sets the gate start value of the gating function. The value is expressed in seconds (sec).



Gating Start

The gate start value.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



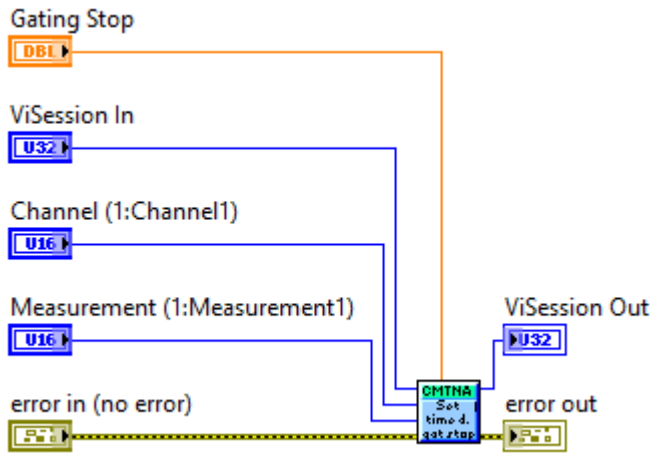
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Time Domain Gating Stop

Description

Sets the gate stop value of the gating function. The value is expressed in seconds (sec).



Gating Stop

The gate stop value.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



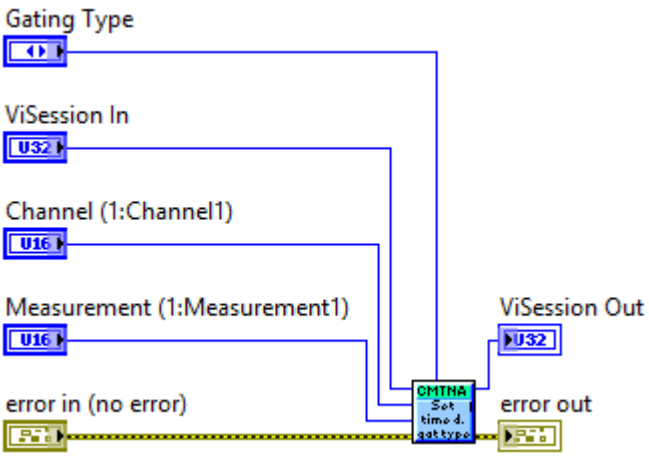
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Time Domain Gating Type

Description

Sets the gate type of the gating function.



Gating Type

The gate type.

Valid list of values:

0: Bandpass

1: Notch

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



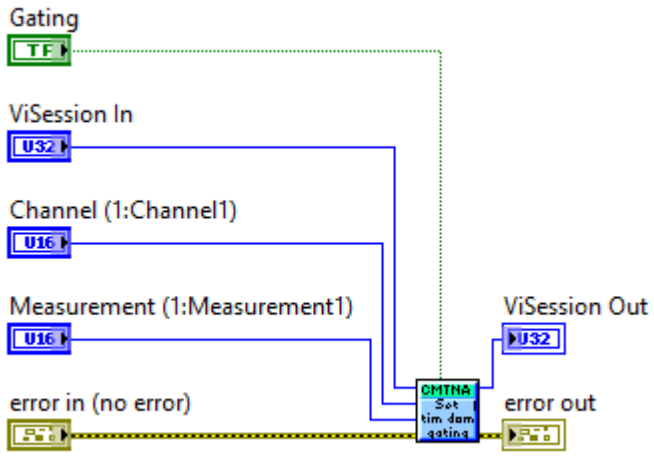
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Time Domain Gating

Description

Turns ON/OFF the gating function.



Gating

The state of the gating function.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

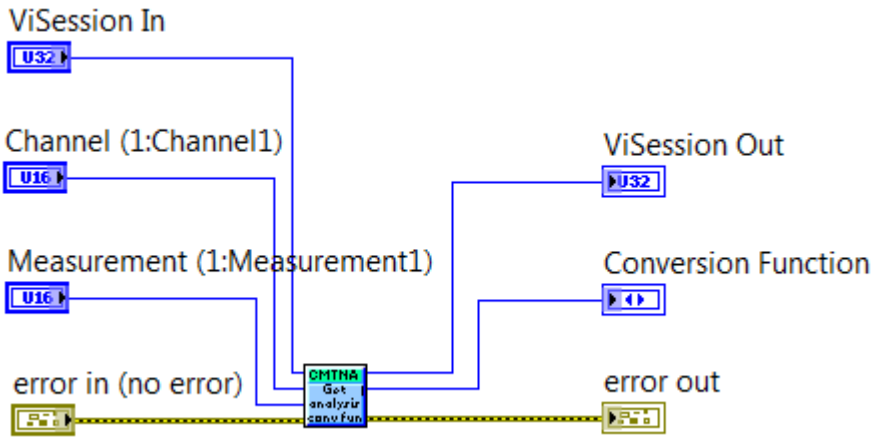
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Conversion

Get Analysis Conversion Function

Description

Turns the S–parameter conversion function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Conversion Function

The S–parameter conversion function.

Valid list of return values:

0: Z:Reflection

1: Z:Transmission

2: Y:Reflection

3: Y:Transmission

4: 1/S:Inverse

5: Z:Trans-Shunt

6: Y:Trans-Shunt

7: Conjugation



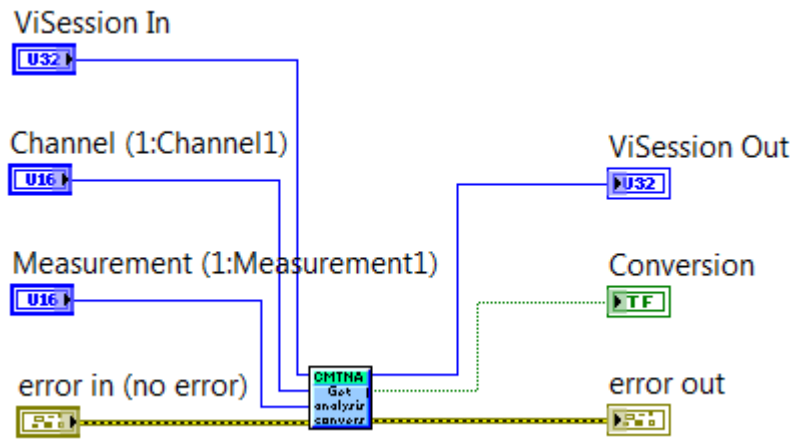
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Analysis Conversion

Description

Turns ON/OFF the S–parameter conversion function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Conversion

The state of the S–parameter conversion function.



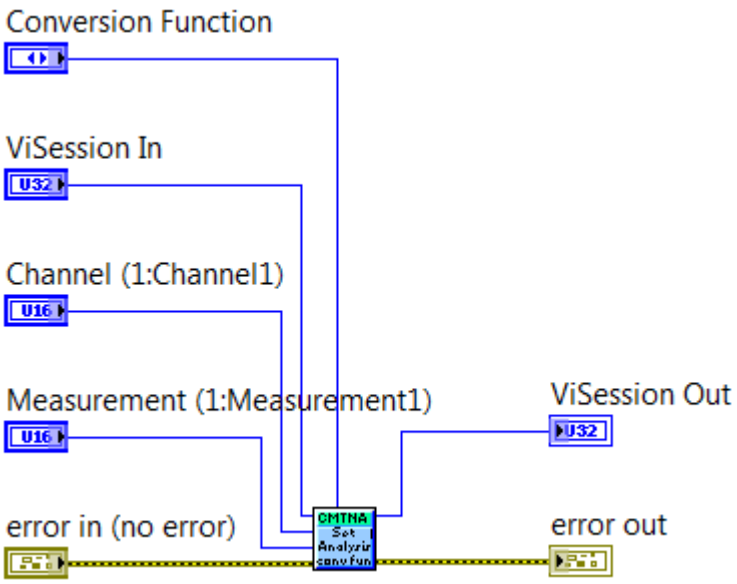
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Analysis Conversion Function

Description

Turns the S–parameter conversion function.



Conversion Function

The S–parameter conversion function.

Valid list of return values:

0: Z:Reflection

1: Z:Transmission

2: Y:Reflection

3: Y:Transmission

4: 1/S:Inverse

5: Z:Trans-Shunt

6: Y:Trans-Shunt

7: Conjugation

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.



Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



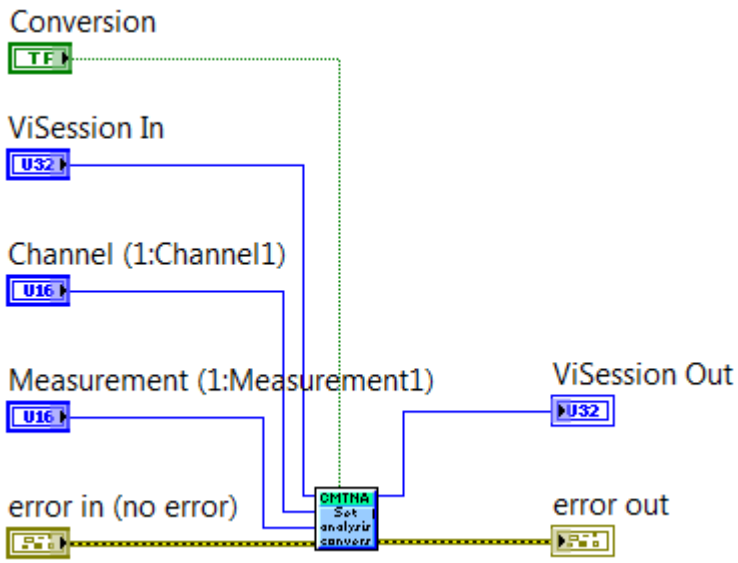
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Analysis Conversion

Description

Turns ON/OFF the S–parameter conversion function.



Conversion Function

The S–parameter conversion function.

Valid list of return values:

0: Z:Reflection

1: Z:Transmission

2: Y:Reflection

3: Y:Transmission

4: 1/S:Inverse

5: Z:Trans-Shunt

6: Y:Trans-Shunt

7: Conjugation

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.



Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

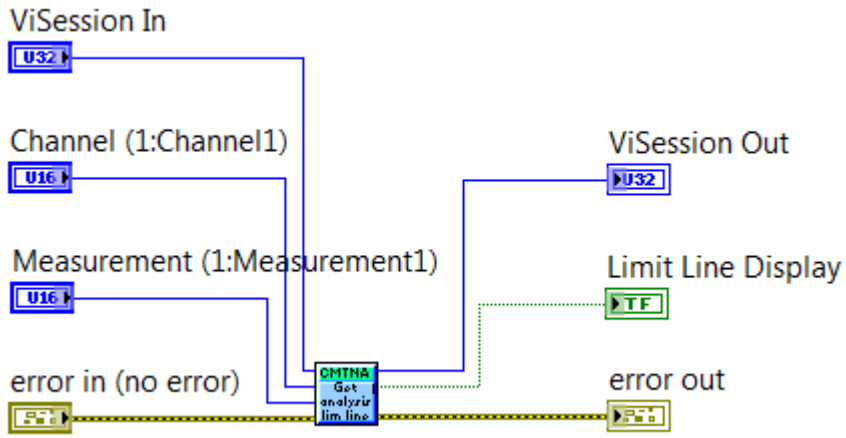
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Limit Test

Get Analysis Limit Line Display

Description

Turns ON/OFF the limit line display of the limit test function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Limit Line Display

The state of the limit line display of the limit test function.



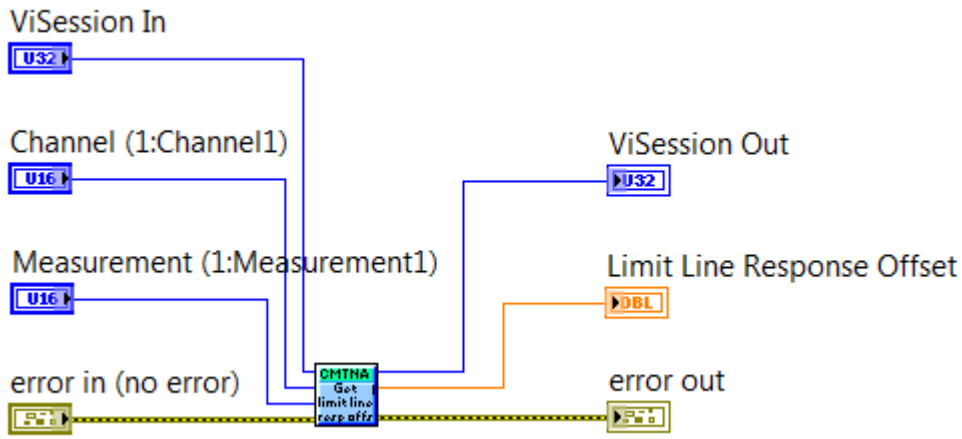
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Analysis Limit Line Response Offset

Description

Gets the value of the limit line offset along Y–axis.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Limit Line Response Offset

The value of the limit line offset along Y–axis.



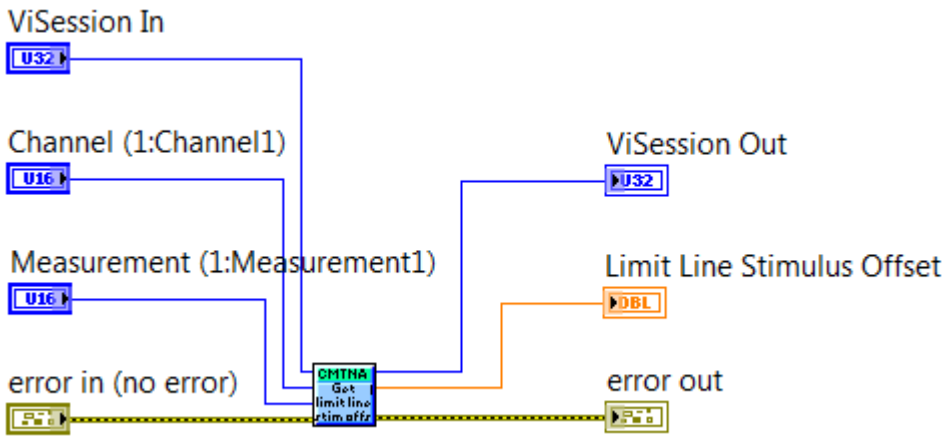
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Analysis Limit Line Stimulus Offset

Description

Gets the value of the limit line offset along X–axis.



U32 **ViSession In**

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

U16 **Channel (1:Channel1)**

Specifies the channel for which this operation is targeted.

U16 **Measurement (1:Measurement1)**

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

U32 **ViSession Out**

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Limit Line Stimulus Offset

The value of the limit line offset along X–axis.



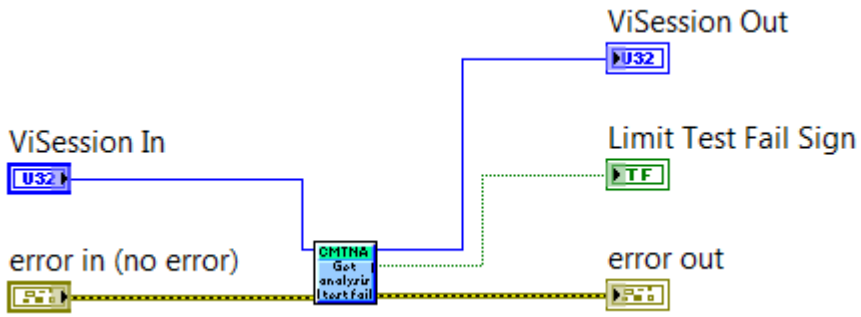
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Analysis Limit Test Fail Sign

Description

Turns ON/OFF the "Fail" sign display, when performing limit test.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Limit Test Fail Sign

The state of the "Fail" sign display.

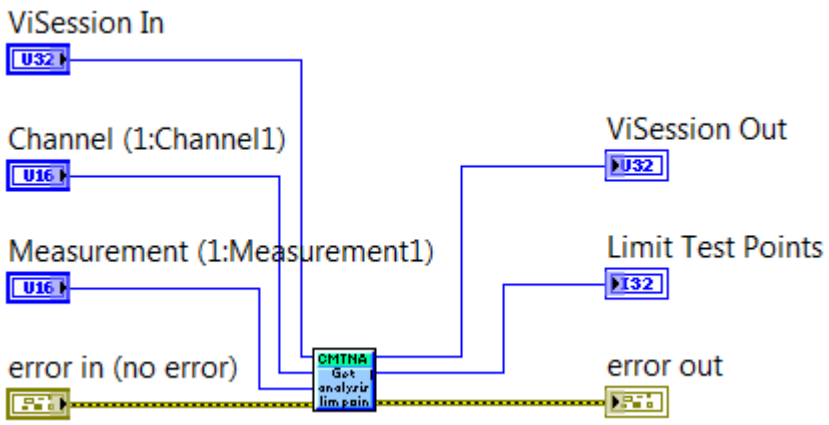
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Analysis Limit Test Points

Description

Gets the number of the measurement points that failed the limit test.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Limit Test Points

The number of the measurement points.



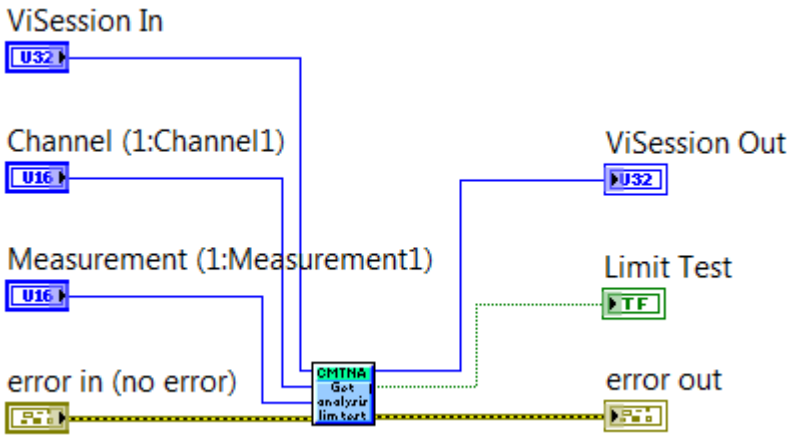
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Analysis Limit Test

Description

Turns ON/OFF the limit test.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Limit Test

The state of the limit test.



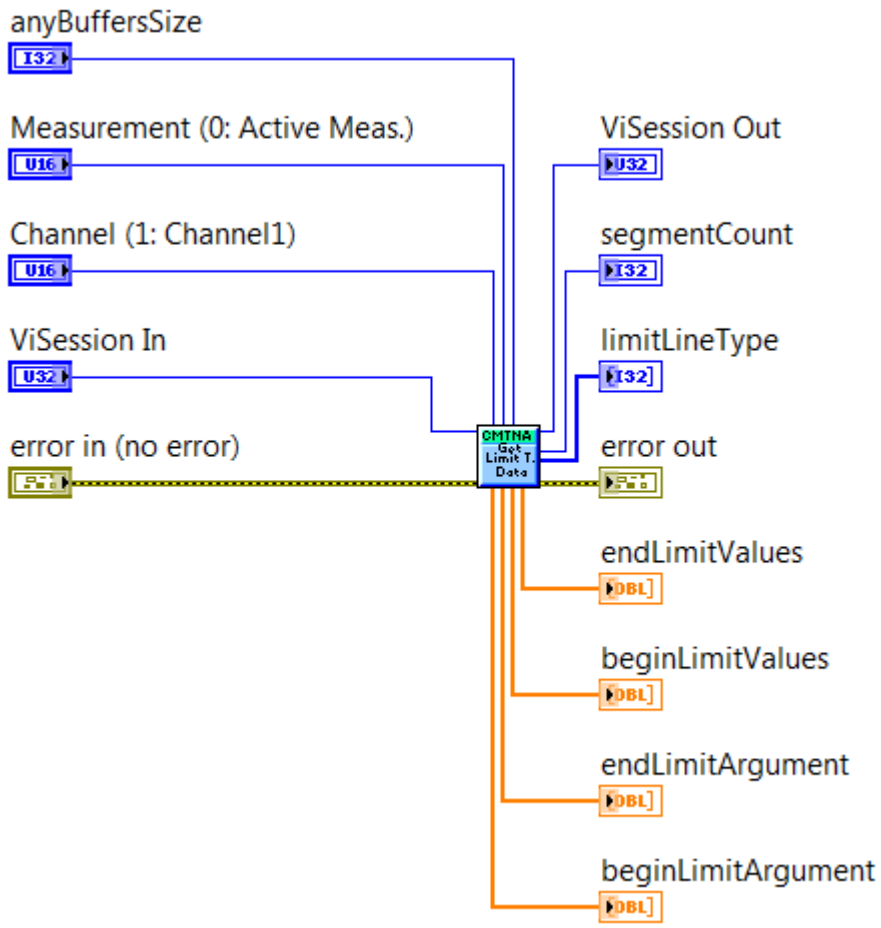
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Limit Test Data

Description

Sets the data array, which is the limit line in the limit test function.



---

anyBuffersSize

The size of the arrays to hold in the **beginLimitArgument, endLimitArgument, beginLimitValues, endLimitValues** parameters.

Measurement (0:Active Meas.)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



segmentCount

The number of limit line segments N is from 0 to 100.



limitLineType

The type of the n–th limit line segment.

Valid list of return values:

0: Off

1: Max

2: Min

3: Single



error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.



endLimitValues

The response value in the end point of the n–th segment.



beginLimitValues

The response value in the start point of the n–th segment.



endLimitArgument

The stimulus value in the end point of the n–th segment.



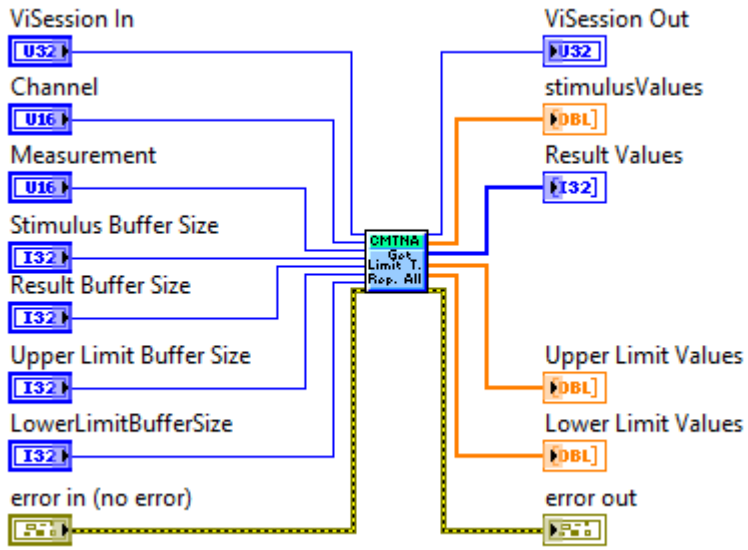
beginLimitArgument

The stimulus value in the start point of the n–th segment.

Get Limit Test Report All

Description

Gets the data array, which is the limit test result.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

StimulusBuffersSize

The size of the array to hold in the **stimulusValues** parameter.

ResultBufferSize

The size of the array to hold in the **Result Values** parameter.



UpperLimitBufferSize

The size of the array to hold in the **Upper Limit Values** parameter.



LowerLimitBufferSize

The size of the array to hold in the **Lower Limit Values** parameter.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



stimulusValues

The stimulus value in the n–th point.



Result Values

The limit test result in the n–th point.

Valid list of return values:

–1: No limit

0: Fail

1: Pass



Upper Limit Values

The upper limit value in the n–th point (0 – if there is no limit).



Lower Limit Values

The lower limit value in the n–th point (0 – if there is no limit).



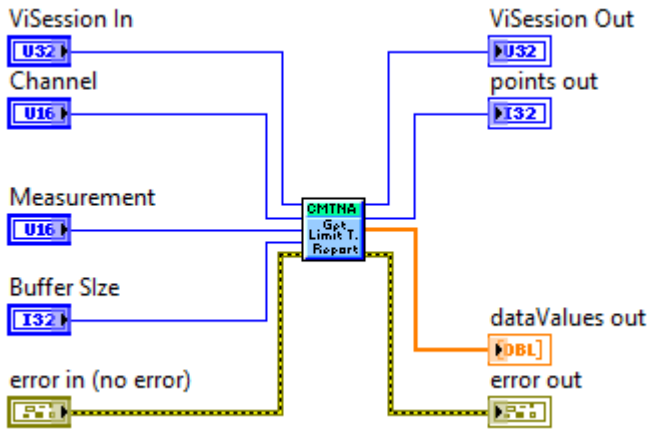
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Limit Test Report

Description

Gets the data array, which is the stimulus values of the measurement points that failed the limit test.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel

Specifies the channel for which this operation is targeted.

Measurement

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

BufferSize

The size of the array to hold in the **data Values** parameter.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



stimulusValues

The stimulus value in the n–th point.



points out

The number of the measurement points that failed the limit test.



dataValues out

The stimulus values of the measurement points that failed the limit test.



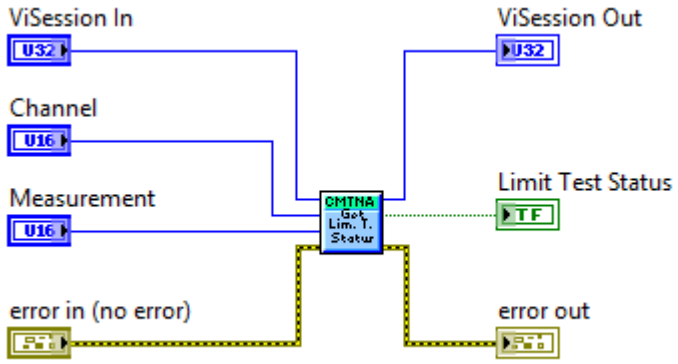
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Limit Test Status

Description

Gets the limit test result.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel

Specifies the channel for which this operation is targeted.

Measurement

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Limit Test Status

The limit test result.



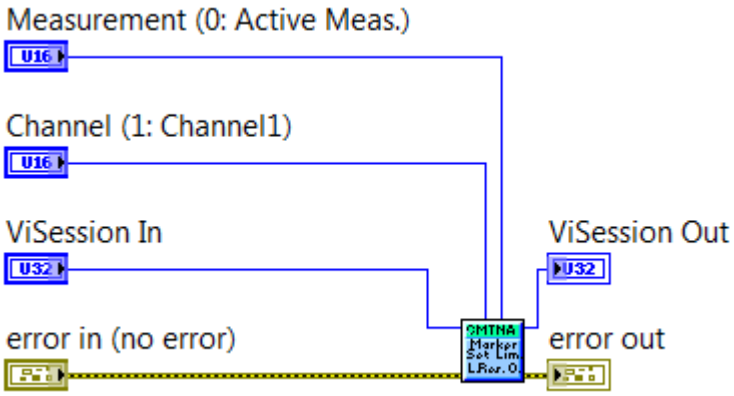
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Marker Set Limit Line Response Offset

Description

Sets the value of the limit line offset along Y–axis to the active marker value.



Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (0:Active Meas.)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



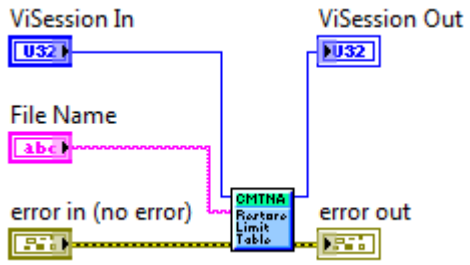
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Restore Limit Table

Description

Recalls the limit table file. The function is used for the active trace of the active channel.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

file Name

The file path into which to save the data. If the full path of the file is not specified, the \Limit subdirectory of the application directory will be searched for the file. The file has *.lim extension by default.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error out

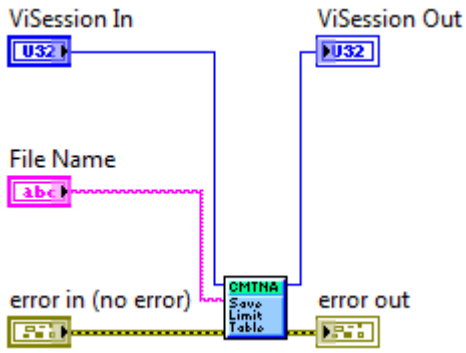
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Save Limit Table

Description

Gets the data array, which is the limit line in the limit test function.

The function is used for the active trace of the active channel.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

file Name

The file path into which to save the data. If the full path of the file is not specified, the \Limit subdirectory of the application directory will be searched for the file. The file has *.lim extension by default.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

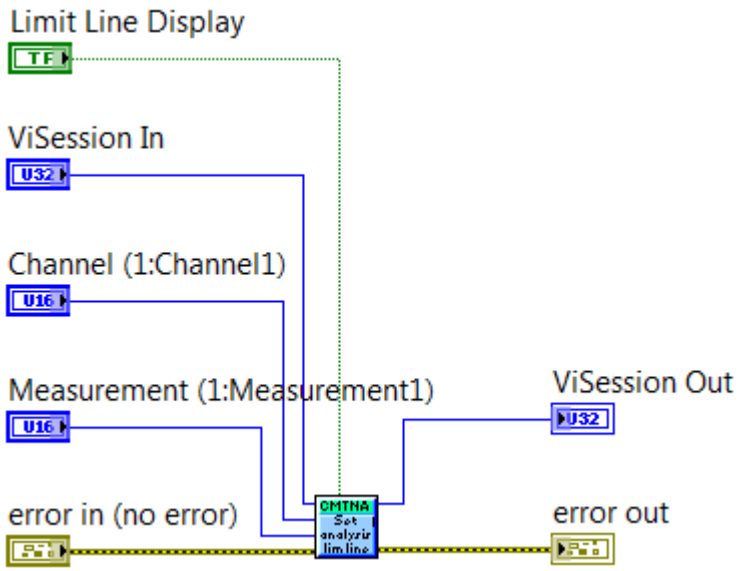
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Analysis Limit Line Display

Description

Turns ON/OFF the limit line display of the limit test function.



Limit Line Display

The state of the limit line display of the limit test function.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



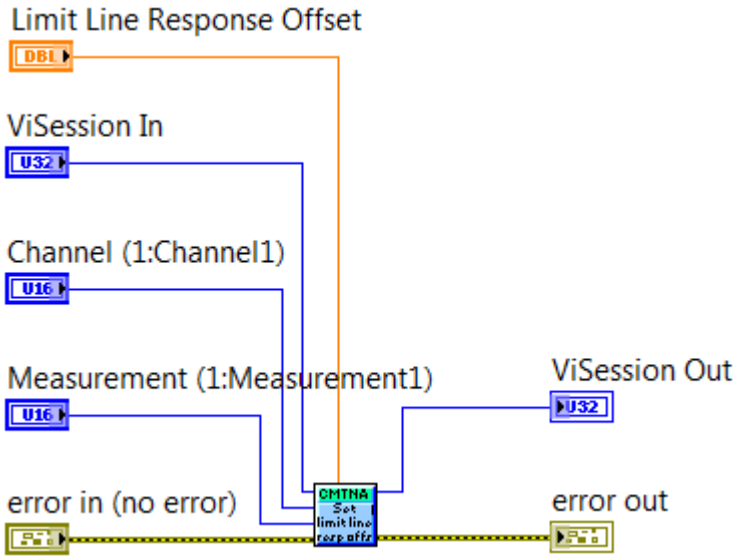
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Analysis Limit Line Response Offset

Description

Sets the value of the limit line offset along Y–axis.



Limit Line Response Offset

The value of the limit line offset along Y–axis.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



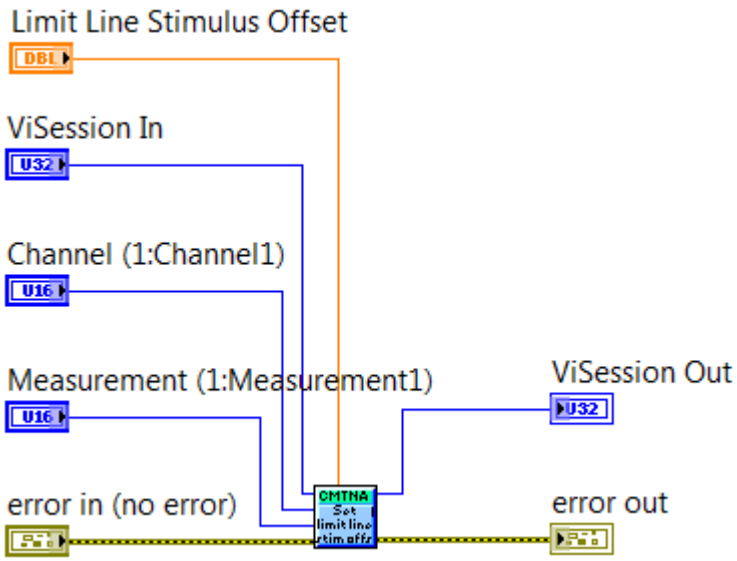
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Analysis Limit Line Stimulus Offset

Description

Sets the value of the limit line offset along X–axis.



Limit Line Stimulus Offset

The value of the limit line offset along X–axis.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



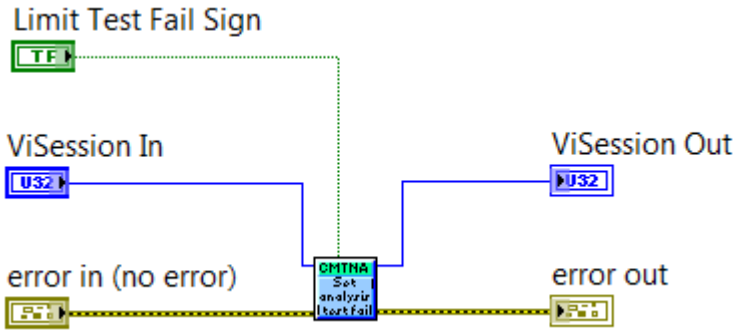
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Analysis Limit Test Fail Sign

Description

Turns ON/OFF the "Fail" sign display, when performing limit test.



Limit Test Fail Sign

The state of the "Fail" sign display.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

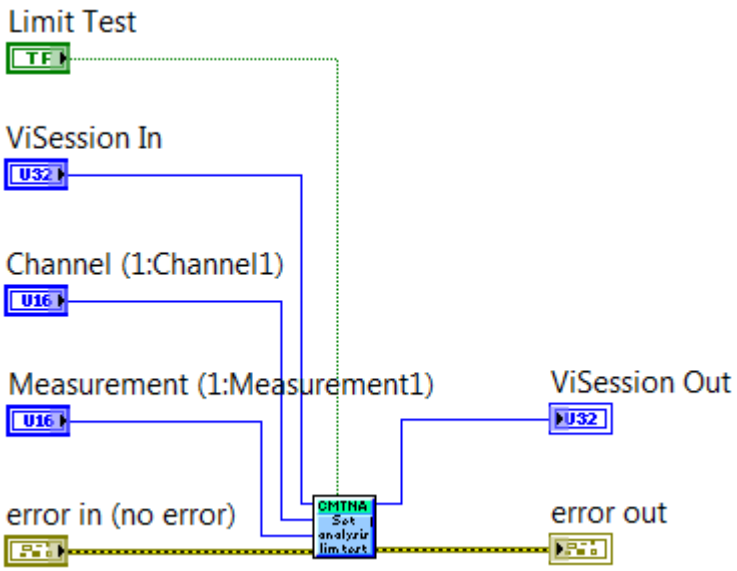
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Analysis Limit Test

Description

Turns ON/OFF the limit test.



Limit Test

The state of the limit test.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



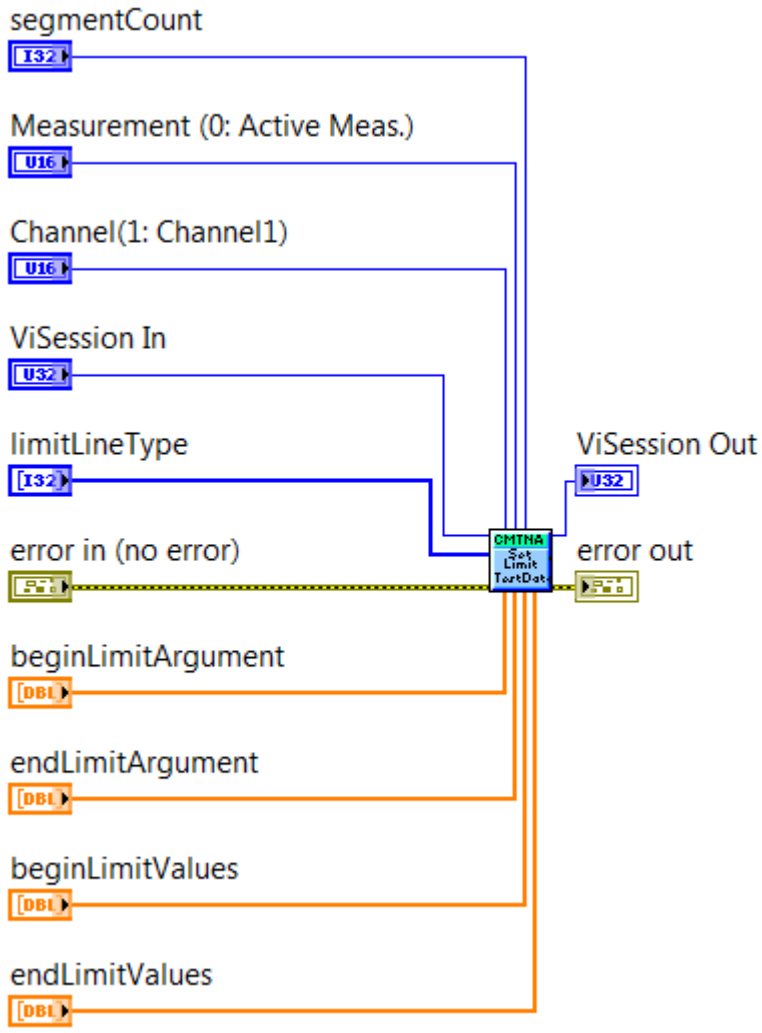
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Limit Test Data

Description

Sets the data array of the data-based calibration standard. The first element of the array is 2 and determines the number of ports of the calibration standard.



---

segmentCount

The number of limit line segments N is from 0 to 100. Setting 0 clears the limit line.

Measurement (0:Active Meas.)

Specifies the measurement for which this operation is targeted.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

limitLineType

The type of the n–th limit line segment.

Valid list of return values:

0: Off

1: Max

2: Min

3: Single

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

beginLimitArgument

The stimulus value in the start point of the n–th segment.

endLimitArgument

The stimulus value in the end point of the n–th segment.

beginLimitValues

The response value in the start point of the n–th segment.

endLimitValues

The response value in the end point of the n–th segment.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

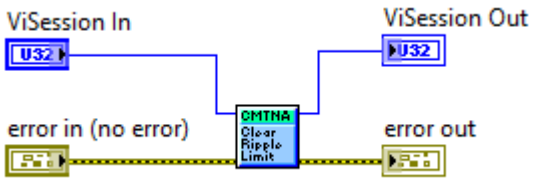
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Ripple Limit

Clear Ripple Limit Table

Description

Clears the ripple limit table. The function is used for the active trace of the active channel.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

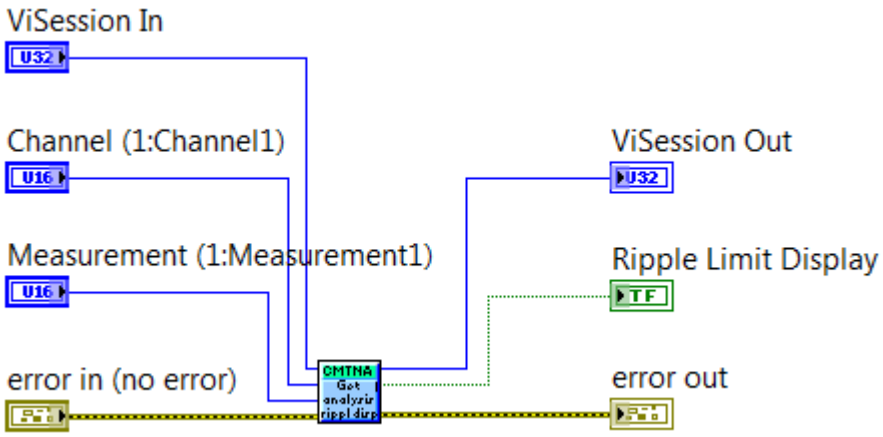
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Analysis Ripple Limit Display

Description

Turns ON/OFF the ripple limit line display.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Ripple Line Display

The state of the ripple limit line display.



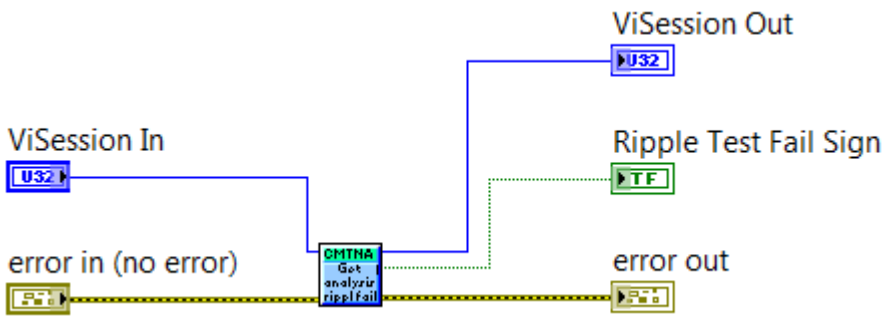
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Analysis Ripple Test Fail Sign

Description

Turns ON/OFF the "Fail" sign display, when ripple limit test.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Ripple Test Fail Sign

The state of the "Fail" sign display.

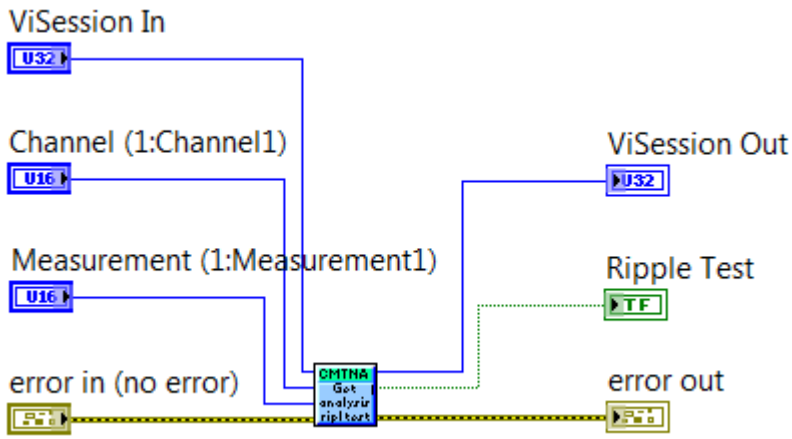
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Analysis Ripple Test

Description

Turns ON/OFF the ripple limit test.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Ripple Test

The state of the ripple limit test.



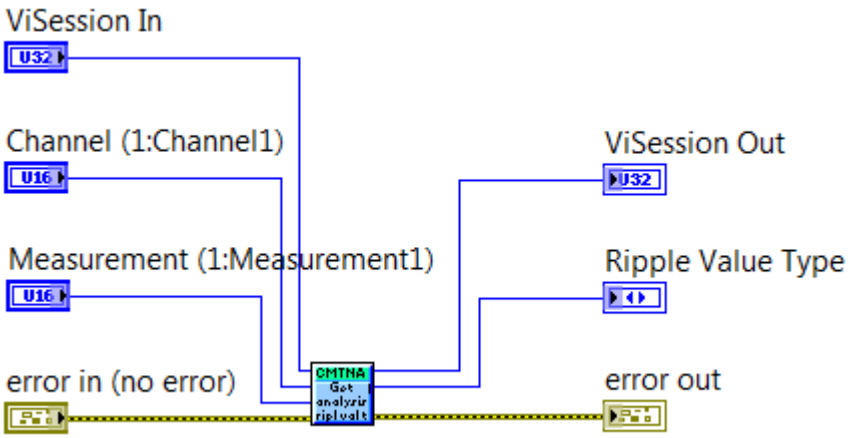
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Analysis Ripple Value Type

Description

Gets the display type of the ripple value in the specified band.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Ripple Limit Type

The display type.

Valid list of return values:

0: Off

1: Absolute

2: Margin



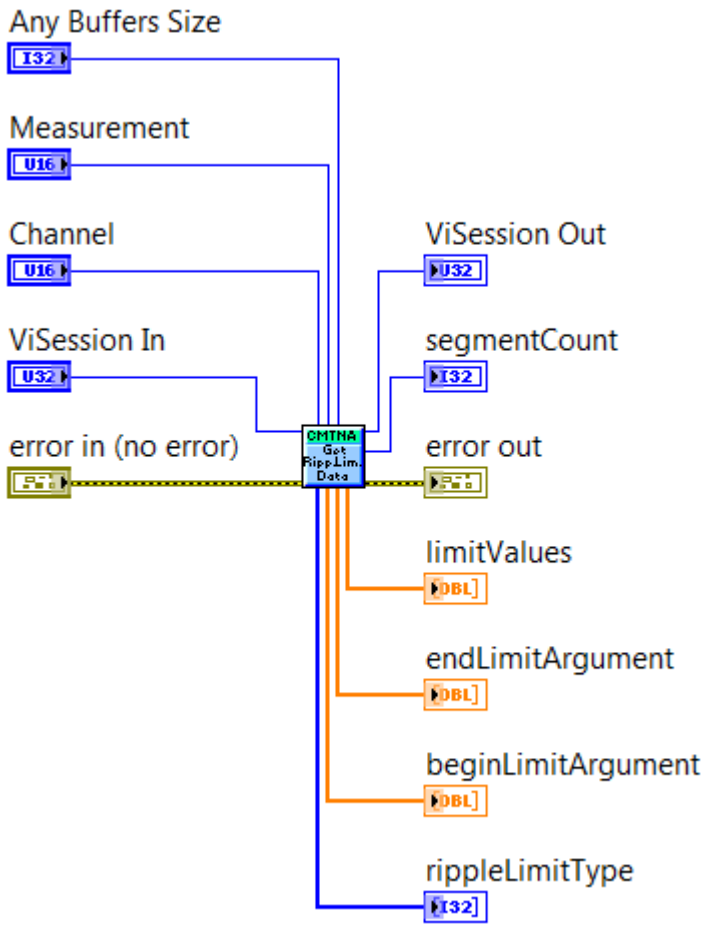
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Ripple Limit Data

Description

Gets the data array, which is the limit line for the ripple limit function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel

Specifies the channel for which this operation is targeted.

Measurement

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



Any Buffer Size

The size of the arrays to hold in the **beginLimitArgument, endLimitArgument, limitValues** parameter.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



segmentCount

The number of limit line segments N is the integer from 0 to 12. Setting 0 clears the limit line.



limitType

The type of the n–th limit line segment.

Valid list of return values:

0: Off

1: On



beginLimitArgument

The stimulus value in the beginning point of the n–th segment.



endLimitArgument

The stimulus value in the end point of the n–th segment.



limitValues

The ripple limit value of the n–th segment.

Valid list of return values:

0: Off

1: Absolute

2: Margin



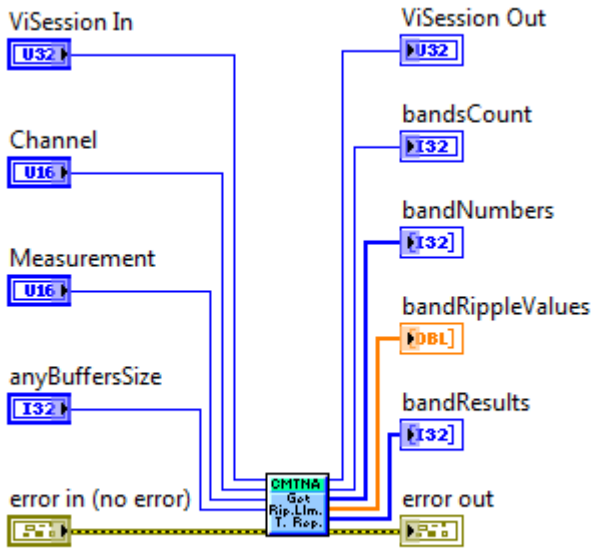
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Ripple Limit Test Report

Description

Gets the data array, which is the ripple limit test result.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel

Specifies the channel for which this operation is targeted.

Measurement

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

anyBufferSize

The size of the arrays to hold in the **bandNumbers, bandRippleValues, bandResults** parameters.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



bandCount

N total number of the bands.



bandNumbers

n number of the band.



bandRippleValues

The ripple value in the n–th band.



bandResults

The ripple limit test result in the n–th band.

Valid list of return values:

0: Pass

1: Fail



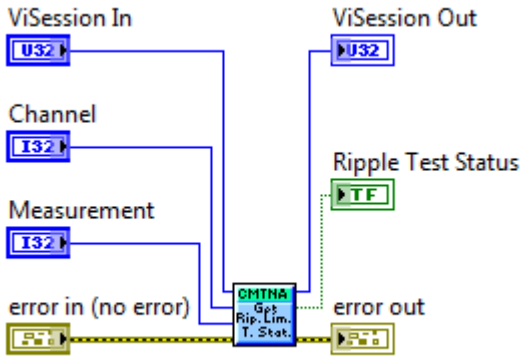
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Ripple Limit Test Status

Description

Gets the ripple limit test result.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel

Specifies the channel for which this operation is targeted.

Measurement

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Ripple Test Status

The limit test result.



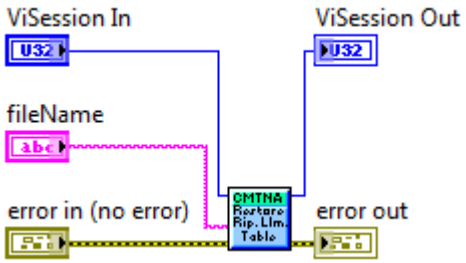
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Restore Ripple Limit Table

Description

Recalls the ripple limit table file. The function is used for the active trace of the active channel.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

file Name

The file path into which to save the data. If the full path of the file is not specified, the \Limit subdirectory of the application directory will be searched for the file. The file has *.lim extension by default.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error out

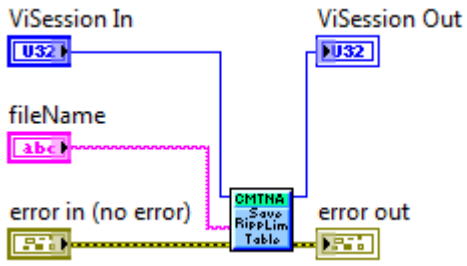
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Save Ripple Limit Table

Description

Saves the ripple limit table into a file.

The function is used for the active trace of the active channel.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

file Name

The file path into which to save the data. If the full path of the file is not specified, the \Limit subdirectory of the application directory will be searched for the file. The file has *.lim extension by default.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

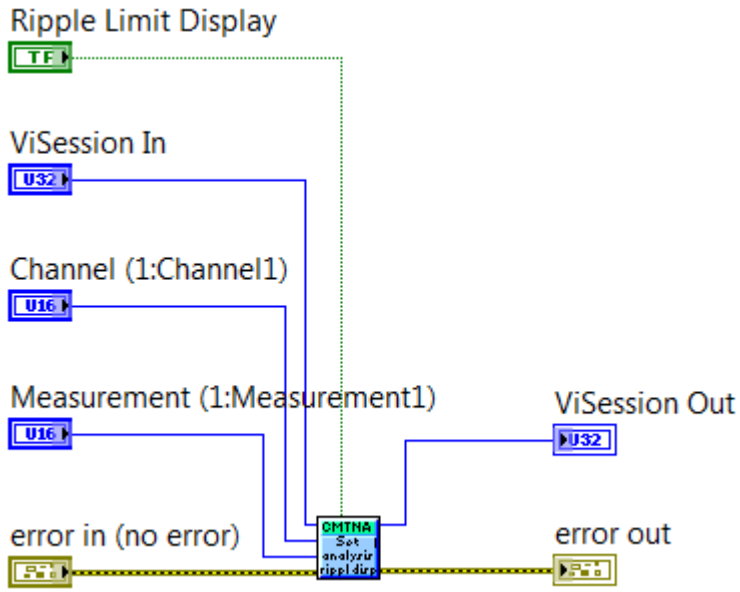
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Analysis Ripple Limit Display

Description

Turns ON/OFF the ripple limit line display.



Ripple Limit Display

The state of the ripple limit line display.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



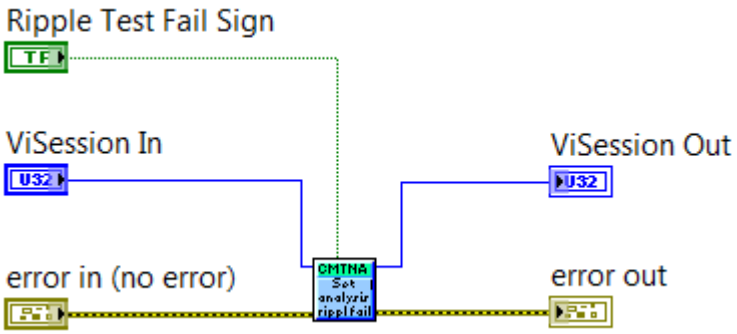
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Analysis Ripple Test Fail Sign

Description

Turns ON/OFF the "Fail" sign display, when ripple limit test.



Ripple Test Fail Sign

The state of the "Fail" sign display.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

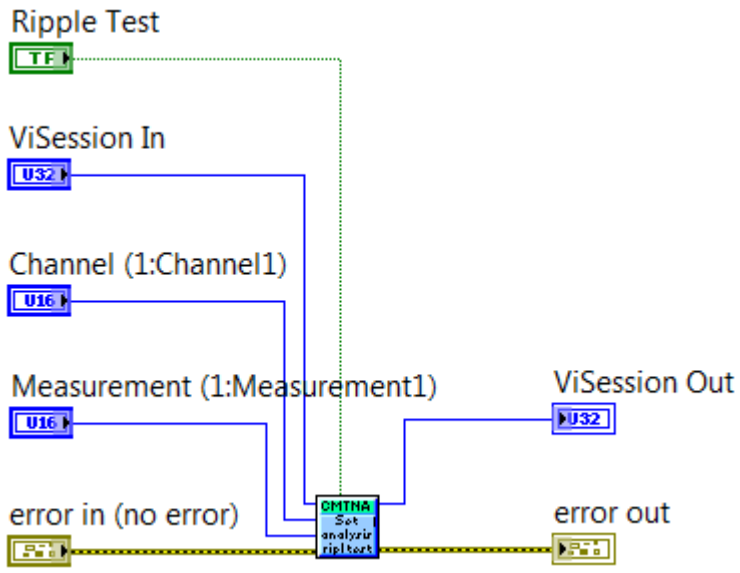
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Analysis Ripple Test

Description

Turns ON/OFF the ripple limit test.



Ripple Test

The state of the ripple limit test.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



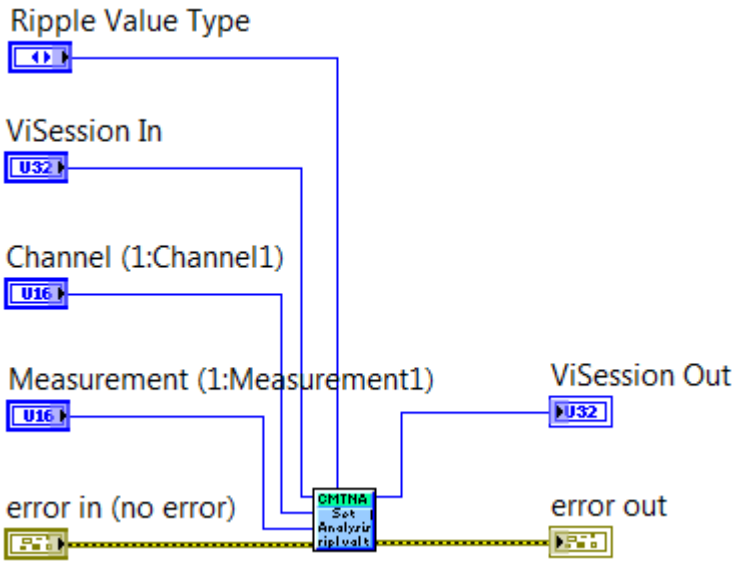
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Analysis Ripple Value Type

Description

Gets the display type of the ripple value in the specified band.



Ripple Limit Type

The display type.

Valid list of values:

0: Off

1: Absolute

2: Margin

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



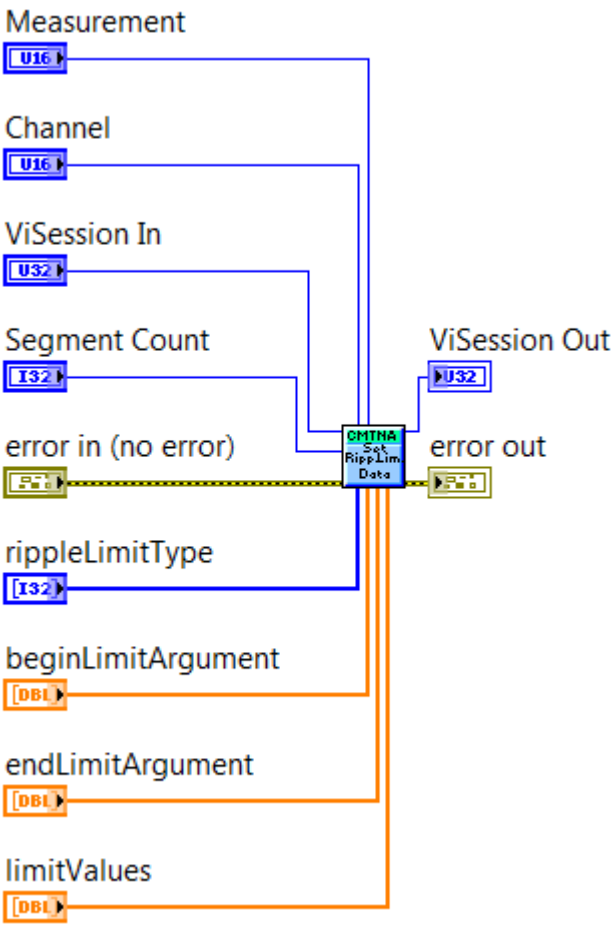
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Ripple Limit Data

Description

Sets the data array, which is the limit line for the ripple limit function.



Measurement

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

Channel

Specifies the channel for which this operation is targeted.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



segmentCount

The number of limit line segments N is the integer from 0 to 12. Setting 0 clears the limit line.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



rippleLimitType

The type of the n–th limit line segment.

Valid list of values:

0: Off

1: On



beginLimitArgument

The stimulus value in the beginning point of the n–th segment.



endLimitArgument

The stimulus value in the end point of the n–th segment.



limitValues

The ripple limit value of the n–th segment.

Valid list of values:

0: Off

1: Absolute

2: Margin



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

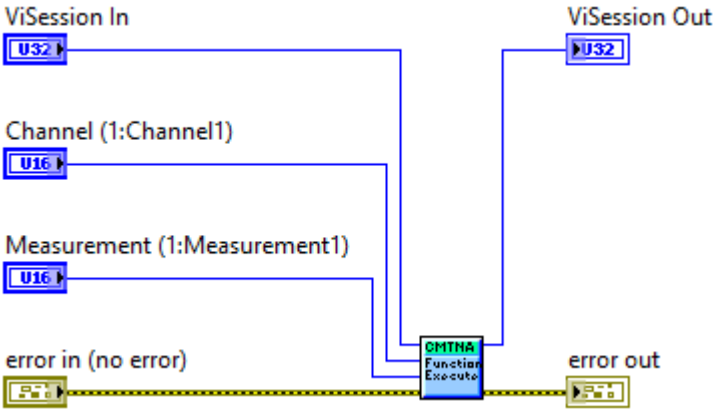
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Function

Function Execute

Description

Executes the analysis specified by CmtNA Set Function Type.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



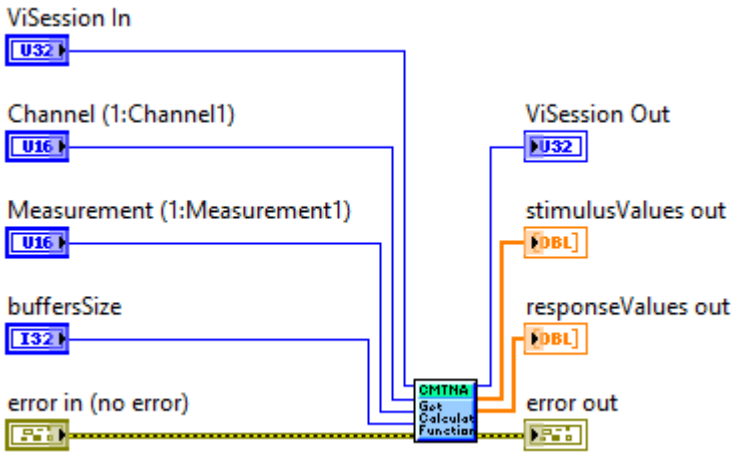
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Calculated Function Data

Description

Gets the data array, which is the CmtNA Function Execute function analysis result.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

bufferSize

The size of the arrays to hold in the **response Values, stimulus Values** parameter.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



stimulusValues out

The array of the stimulus value. Always set to 0 for the analysis of mean value, standard deviation, and peak–to–peak value.



responseValues out

The array of the response value.



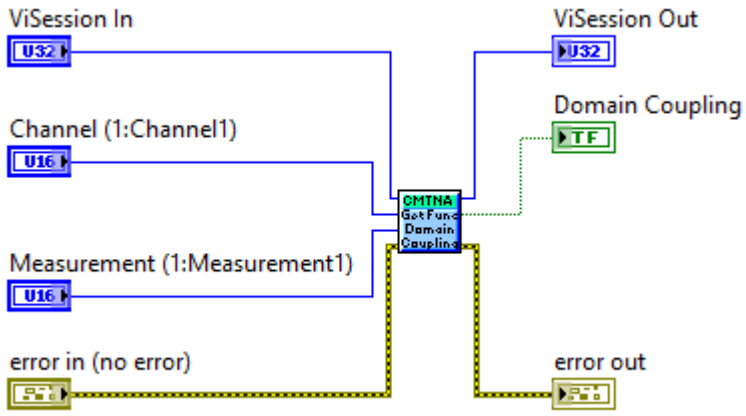
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Function Domain Coupling

Description

If the arbitrary range turned ON by CmtNA Set Function Domain State, specifies whether all traces of repCapID use the same range (coupling) or each trace uses individual range when CmtNA_Function Execute is executed.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Domain Coupling

The state of the domain coupling.



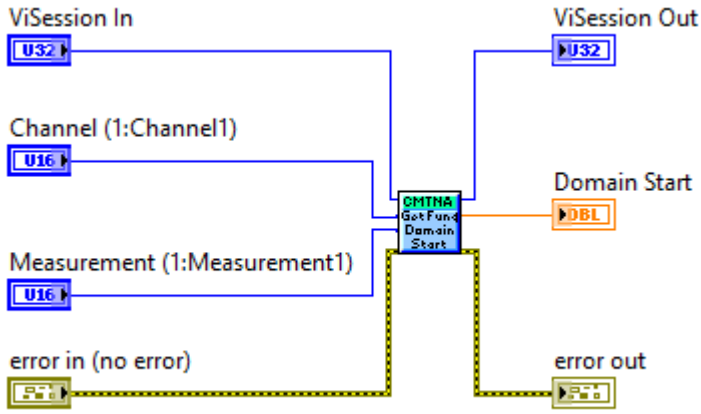
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Function Domain Start

Description

Gets the start value of the analysis range of CmtNA_Function Execute.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Domain Start

The start value.



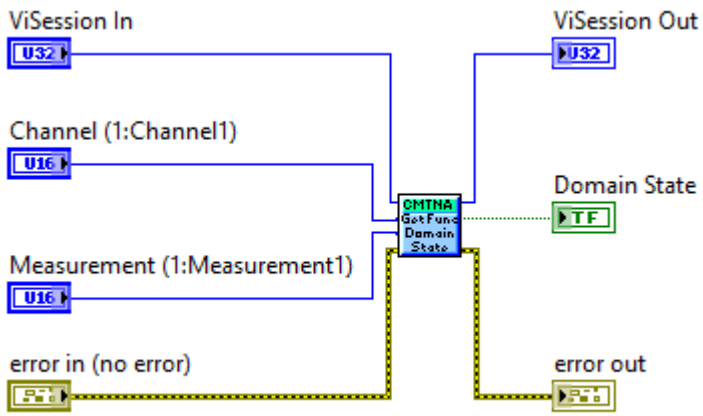
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Function Domain State

Description

Specifies whether an arbitrary range or the entire sweep range is used when CmtNA_Function Execute is executed.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Domain State

The state of whether an arbitrary range or the entire sweep range.



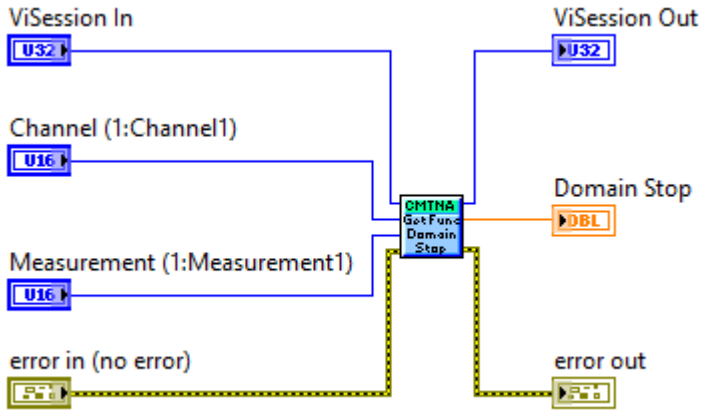
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Function Domain Stop

Description

Gets the stop value of the analysis range of CmtNA_Function Execute.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Domain Stop

The stop value.



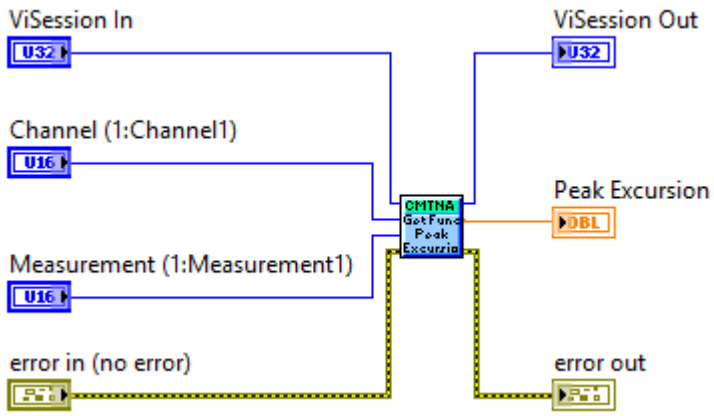
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Function Peak Excursion

Description

Gets the lower limit for the peak excursion value when executing the peak search with CmtNA_Function Execute.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Peak Excursion

The lower limit for the peak excursion value.



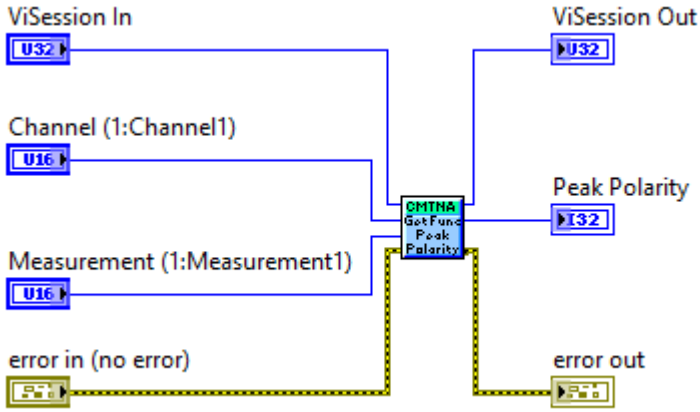
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Function Peak Polarity

Description

Gets the polarity when performing the peak search with CmtNA_Function Execute.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Peak Polarity

The polarity when performing the peak search.



error out

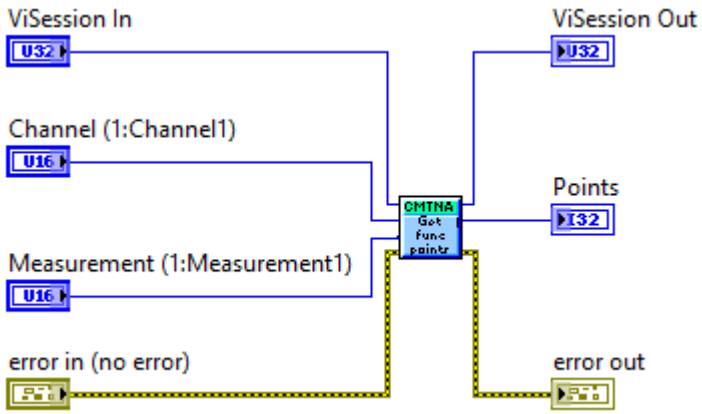
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Function Points

Description

Gets the number of points (data pairs) of the analysis result.

Always reads out 1, when the search is executed for the maximum, minimum, mean, standard deviation, peak, and peak–to–peak values. The actual number of points is read out, when the search is executed for all peak or all targets.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Points

The number of points (data pairs).



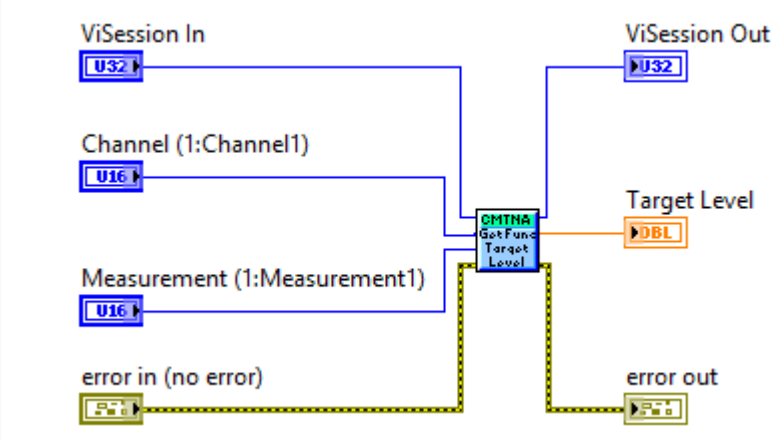
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Function Target Level

Description

Gets the target level when performing the search for the trace and the target level crosspoints with CmtNA_Function Execute.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Target Level

The target level.



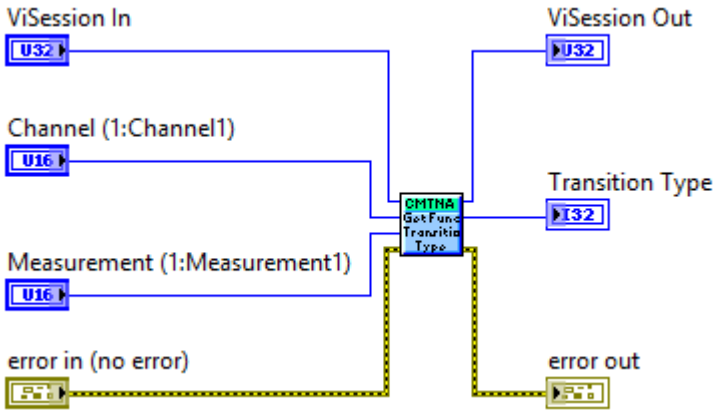
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Function Transition Type

Description

Gets the transition type when performing the search for the trace and the target level crosspoints with CmtNA_Function Execute.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Transition Type

The transition type.



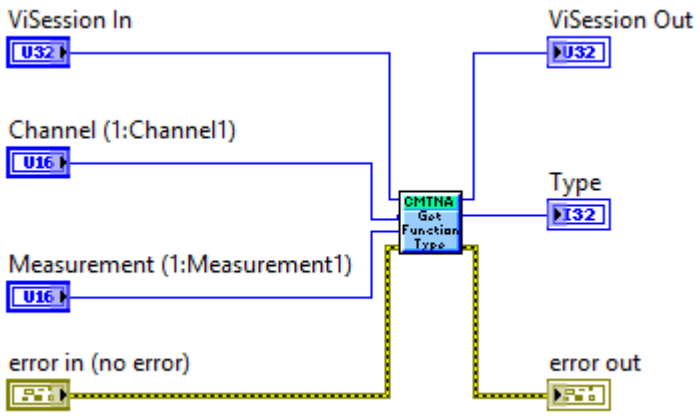
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Function Type

Description

Gets the type of analysis executed with CmtNA_Function Execute.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



Type

The type of analysis executed



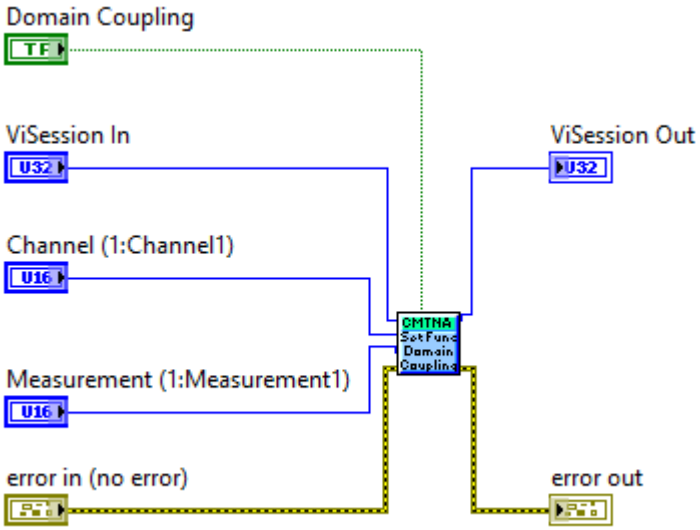
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Function Domain Coupling

Description

If the arbitrary range turned ON by CmtNA Set Function Domain State, specifies whether all traces of repCapID use the same range (coupling) or each trace uses individual range when CmtNA_Function Execute is executed.



Domain Coupling

The state of the domain coupling.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



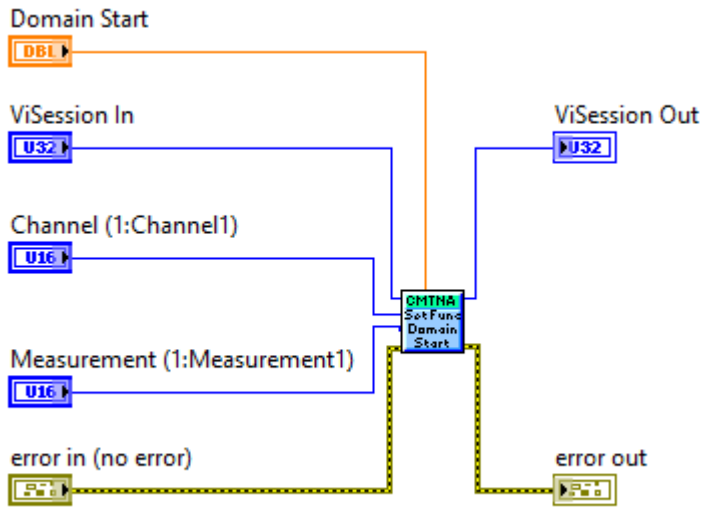
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Function Domain Start

Description

Sets the start value of the analysis range of CmtNA_Function Execute.



Domain Start

The start value.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



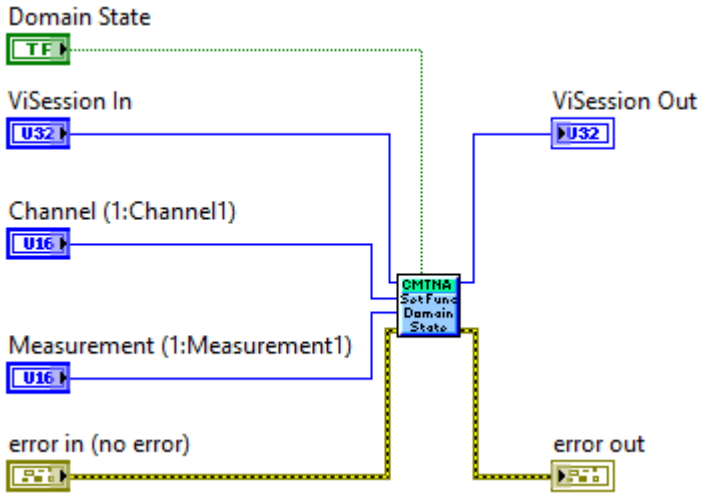
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Function Domain State

Description

Specifies whether an arbitrary range or the entire sweep range is used when CmtNA_Function Execute is executed.



Domain State

The state of whether an arbitrary range or the entire sweep range.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



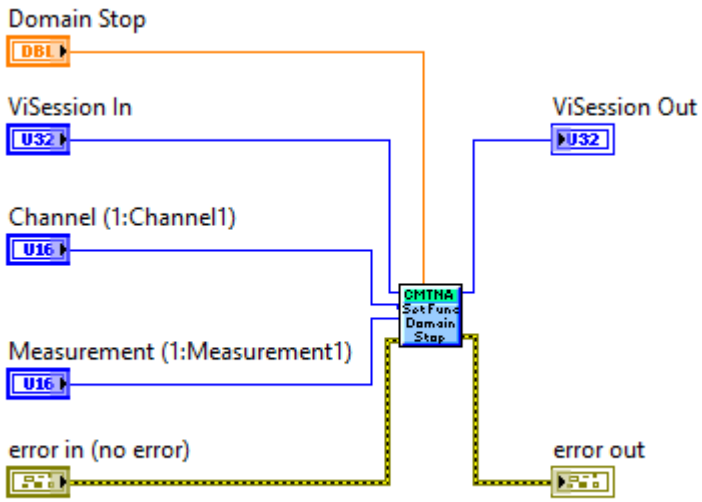
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Function Domain Stop

Description

Sets the stop value of the analysis range of CmtNA_Function Execute.



Domain Stop

The stop value.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



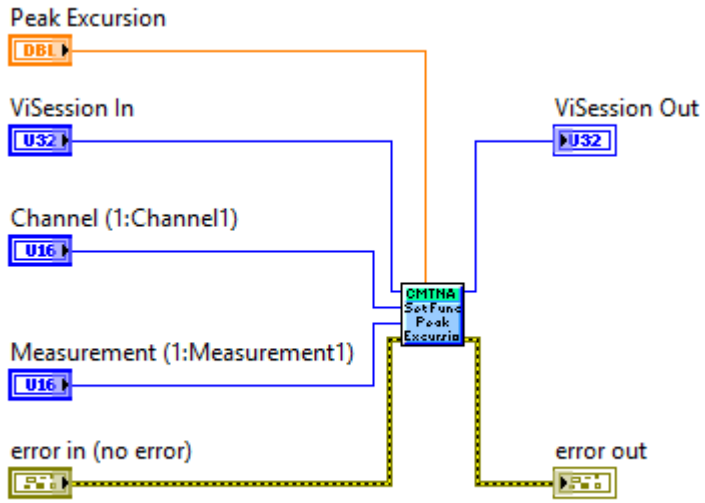
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Function Peak Excursion

Description

Sets the lower limit for the peak excursion value when executing the peak search with CmtNA_Function Execute.



Peak Excursion

The lower limit for the peak excursion value.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



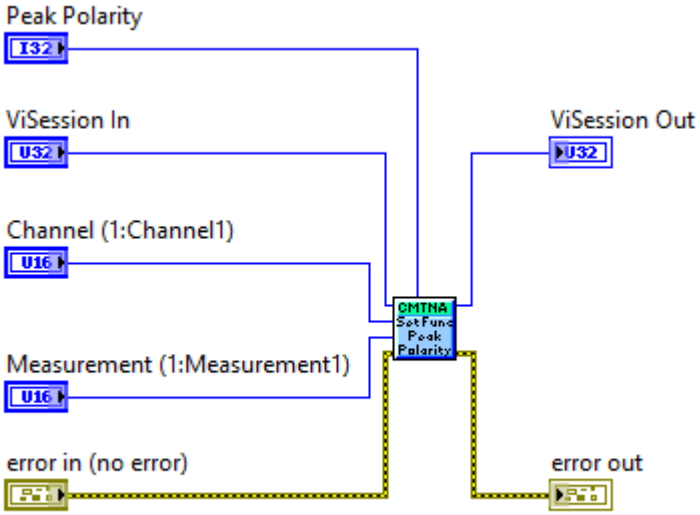
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Function Peak Polarity

Description

Sets the polarity when performing the peak search with CmtNA_Function Execute.



Peak Polarity

The polarity when performing the peak search.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



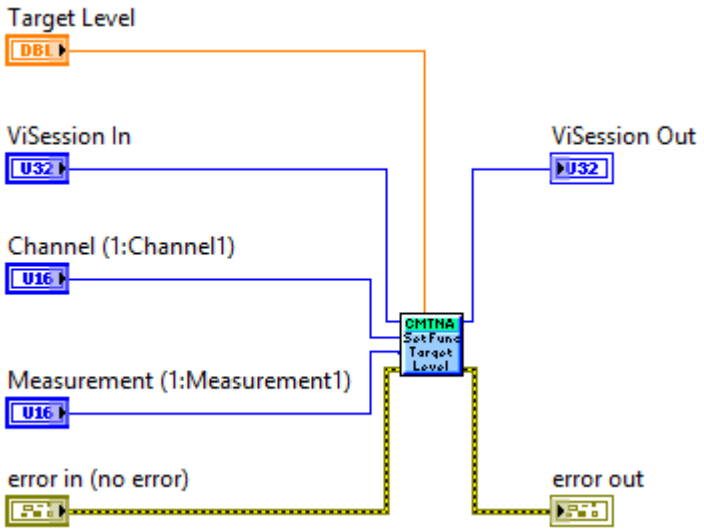
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Function Target Level

Description

Sets the target level when performing the search for the trace and the target level crosspoints with CmtNA_Function Execute.



Target Level

The target level.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.



error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



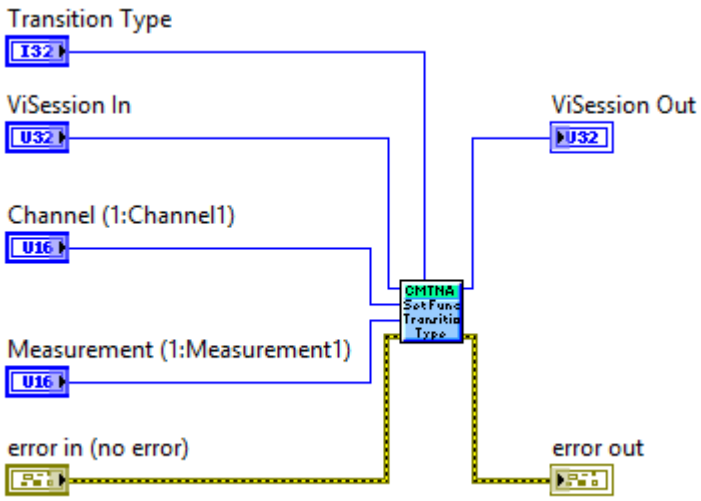
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Function Transition Type

Description

Sets the transition type when performing the search for the trace and the target level crosspoints with CmtNA_Function Execute.



Transition Type

The transition type.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



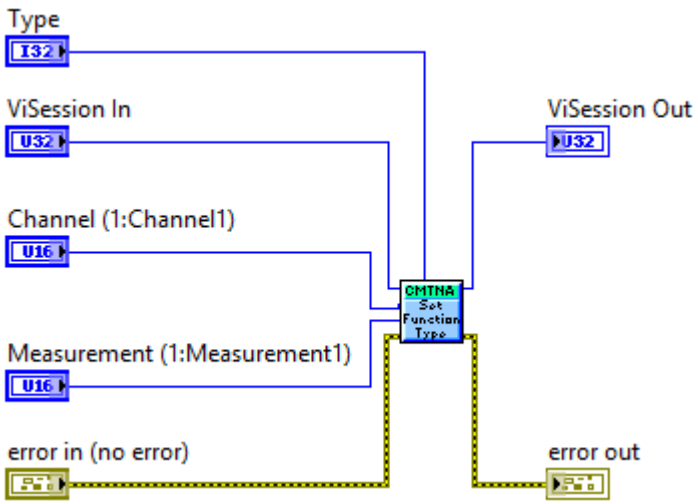
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Function Type

Description

Sets the type of analysis executed with CmtNA_Function Execute.



Type

The type of analysis executed

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

Measurement (1:Measurement1)

Specifies the measurement for which this operation is targeted.

NOTE: If output set to 0 or output not connected then is used the active measurement of the channel.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Save Recall

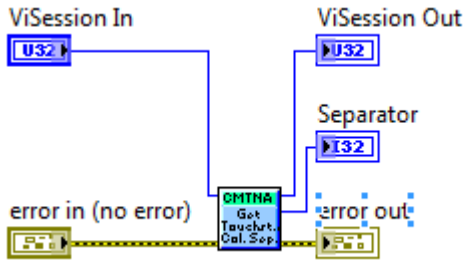
Touchstone File

Get Save Touchstone File Column Separator

Description

Gets the Touchstone file separator symbol when the S–parameters are saved by CmtNA_Save Touchstone File.

The attribute is used for the active channel.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Separator

The Touchstone file separator symbol.

error out

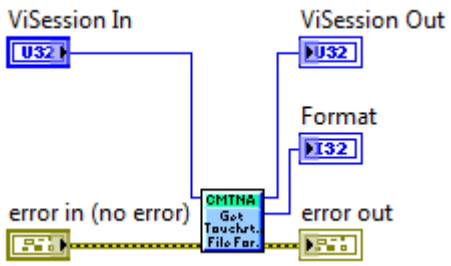
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Save Touchstone File Format

Description

Gets the data format for the S–parameter saving by CmtNA_Save Touchstone File.

The attribute is used for the active channel.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Format

The data format for the S–parameter saving.

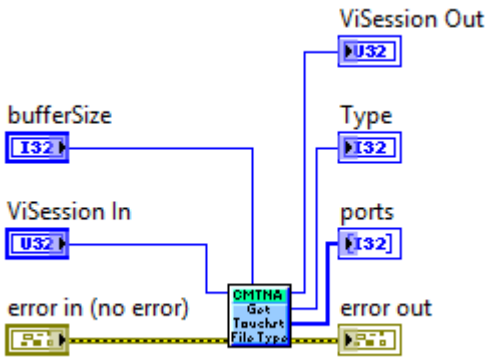
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Touchstone File Type

Description

Gets the Touchstone file type and the port numbers, when saving S–parameters.



---

bufferSize

The size of the arrays to hold in the **ports** parameter.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Type

The type of Touchstone file.

ports

The array of port numbers.

Valid list of return values:

0: 1-Port(s1p)

1: 2-Port(s2p)

2: 3-Port(s3p)

3: 4-Port(s4p)



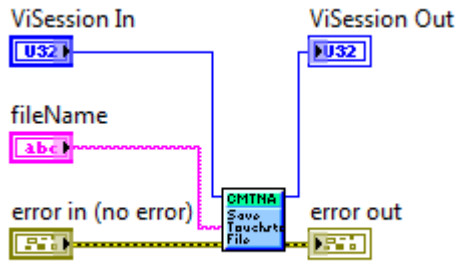
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Save Touchstone File

Description

Saves the measured S–parameters of the active channel into a Touchstone file.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

file Name

The file path into which to save the data. If the full path of the file is not specified, the \FixtureSim subdirectory of the application directory will be searched for the file. The file has *.sNp extension by default.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error out

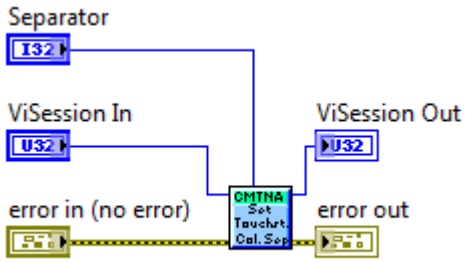
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Save Touchstone File Column Separator

Description

Sets the Touchstone file separator symbol when the S–parameters are saved by CmtNA_Save Touchstone File.

The attribute is used for the active channel.



Separator

The Touchstone file separator symbol.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error out

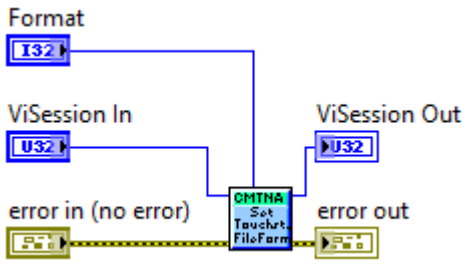
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Save Touchstone File Format

Description

Sets the data format for the S–parameter saving by CmtNA_Save Touchstone File.

The attribute is used for the active channel.



Format

The data format for the S–parameter saving.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

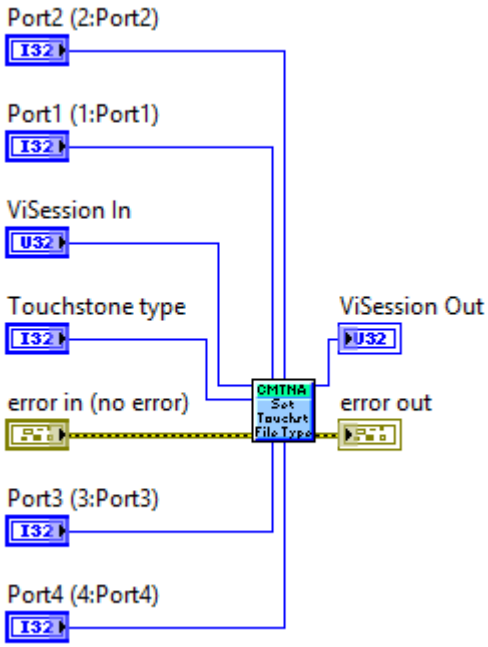
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Touchstone File Type

Description

Sets the Touchstone file type and the port numbers, when saving S–parameters.



Port2 (2:Port2)

The number of port2 from which the measurement is performed.

Port1 (1:Port1)

The number of port2 from which the measurement is performed.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

touchstoneType

The type of Touchstone file.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



Port3 (3:Port3)

The number of port3 from which the measurement is performed.



Port4 (4:Port4)

The number of port4 from which the measurement is performed.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



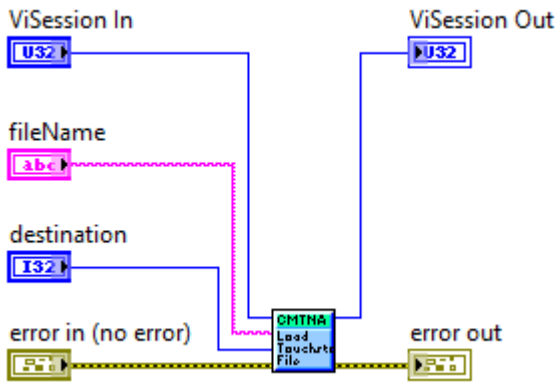
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Load Touchstone File

Description

Loads the Touchstone file with the specified name to the measured S–parameters of the active channel. The Touchstone file types 1, 2, 3 or 4 port (file extensions s1p, s2p, s3p or s4p) are supported. On completion of the command, the channel goes to the hold state.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

fileName

The file path into which to save the data. If the full path of the file is not specified, the \FixtureSim subdirectory of the application directory will be searched for the file. The file has *.sNp extension by default.

destination

The destination.

Valid list of values:

0: Load to the memory trace

1: Load to S-parameters

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



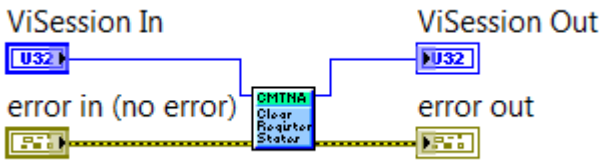
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Clear Register States

Description

Clears the memory of the channel state saved by CmtNA Save Channel To Register.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

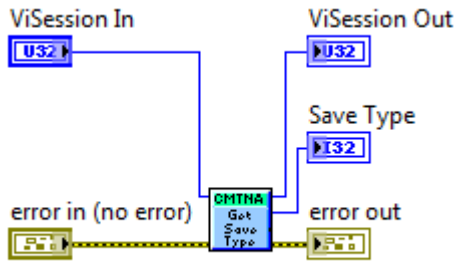
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Save Type

Description

Gets the type of the Analyzer or channel state.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Save Type

The type of the Analyzer or channel state.

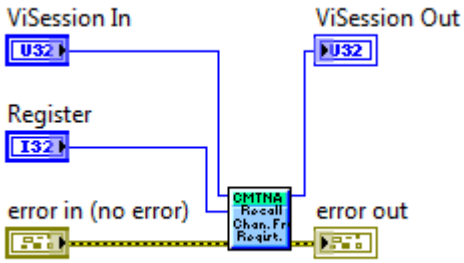
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Recall Channel From Register

Description

Recalls the Analyzer state for the active channel. The file must be saved in one of the four memory registers.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Register

The memory register whence recall the Analyzer state for the active channel

Valid list of values:

0: Recall From Register A

1: Recall From Register B

2: Recall From Register C

3: Recall From Register D

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



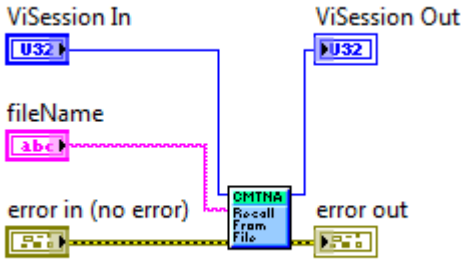
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Recall From File

Description

Recalls the specified Analyzer state file.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

file Name

The file path into which to save the data. If the full path of the file is not specified, the \State subdirectory of the application directory will be searched for the file. The Analyzer state file has *.sta extension by default.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

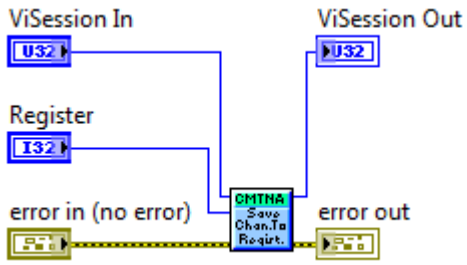
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Save Channel To Register

Description

Saves the Analyzer state of the items set for the active channel into one of the four memory registers.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Register

The memory register for saving the file.

Valid list of values:

0: Save To Register A

1: Save TO Register B

2: Save to Register C

3: Save to Register D

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



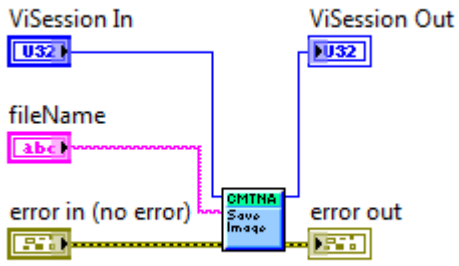
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Save Image

Description

Saves the display image in BMP or PNG format into a file.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

file Name

The file path into which to save the data. If the full path of the file is not specified, the \State subdirectory of the application directory will be searched for the file. The Analyzer state file has *.sta extension by default.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

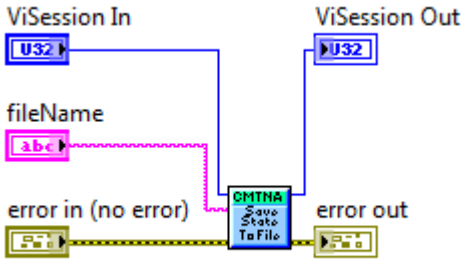
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Save State To File

Description

Saves the Analyzer state into a file.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

file Name

The file path into which to save the data. If the full path of the file is not specified, the \State subdirectory of the application directory will be searched for the file. The Analyzer state file has *.sta extension by default.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

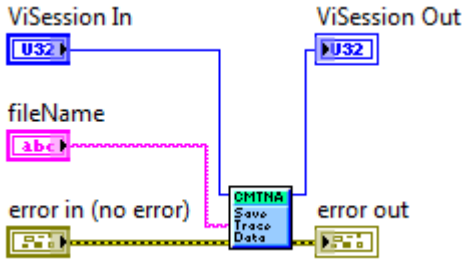
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Save Trace Data

Description

Saves the CSV formatted data into a file. The function is used for the active trace of the active channel.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

file Name

The file path into which to save the data. If the full path of the file is not specified, the \State subdirectory of the application directory will be searched for the file. The Analyzer state file has *.sta extension by default.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

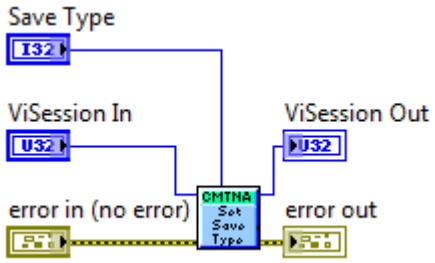
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Save Type

Description

Sets the type of the Analyzer or channel state.



Save Type

The type of the Analyzer or channel state.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

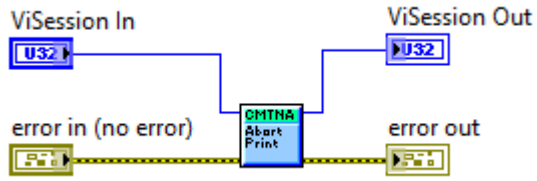
System

Print

Abort Print

Description

Aborts the printout.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

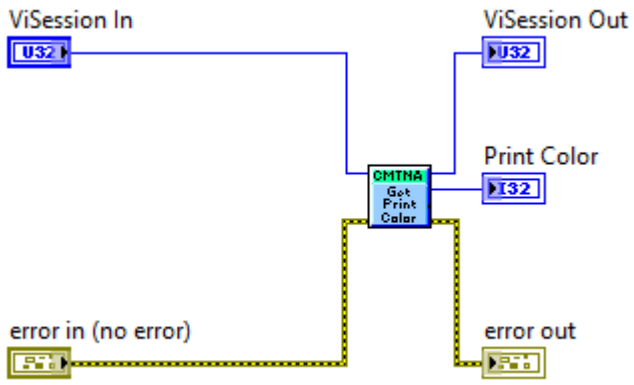
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Print Color

Description

Gets the color chart for the image printout.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Print Color

The color chart for the image printout.

Valid list of return values:

0: Color

1: Gray Scale

2: Black And White



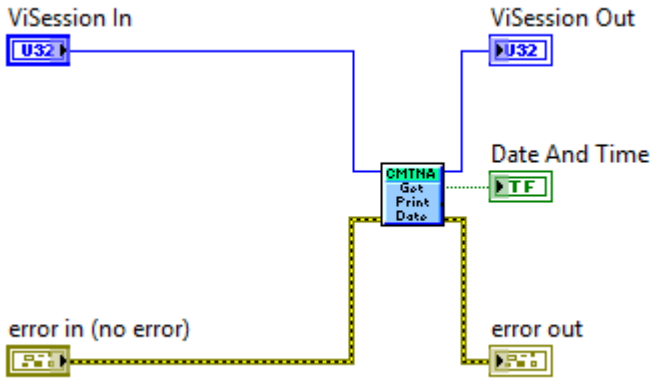
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Print Date And Time

Description

Turns ON/OFF the date and time printout in the upper right corner of the image.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Date and Time

The state of the date and time printout in the upper right corner of the image.

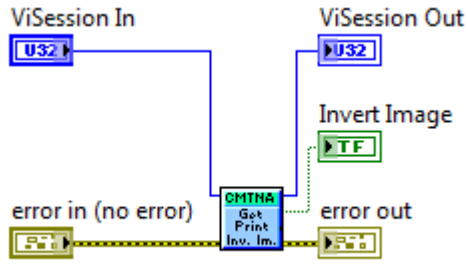
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Print Invert Image

Description

Turns ON/OFF the inverted color image printout.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Invert Image

The state of the inverted color image printout.

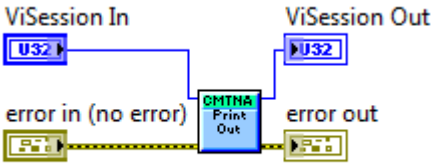
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Print Out

Description

Prints out the image displayed on the screen without previewing.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

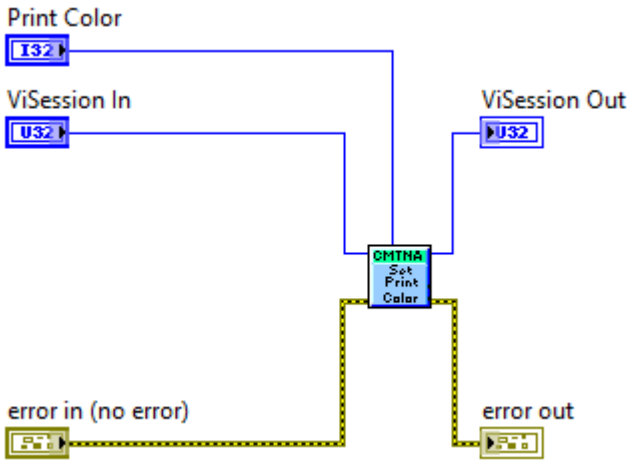
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Print Color

Description

Sets the color chart for the image printout.



Print Color

The color chart for the image printout.

Valid list of values:

0: Color

1: Gray Scale

2: Black And White

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



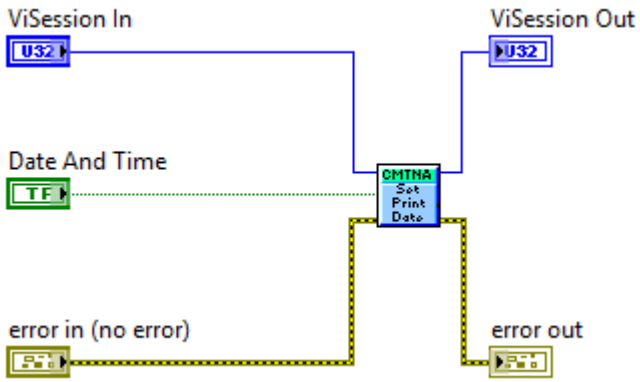
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Print Date And Time

Description

Turns ON/OFF the date and time printout in the upper right corner of the image.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Date And Time

The state of the date and time printout in the upper right corner of the image.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

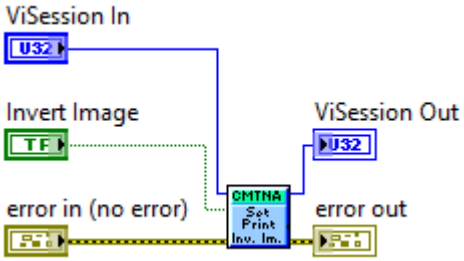
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Print Invert Image

Description

Turns ON/OFF the inverted color image printout.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Invert Image

The state of the inverted color image printout.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error out

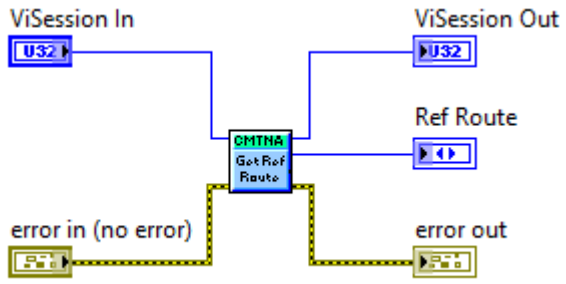
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Ref Source

Get External Reference Route

Description

Sets the route of the external 10 MHz reference frequency (PXIe-S5090 model only). The source of the reference must be set to the EXTernal.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Ref Route

The route.

Valid list of return values:

0: Rear

1: Front



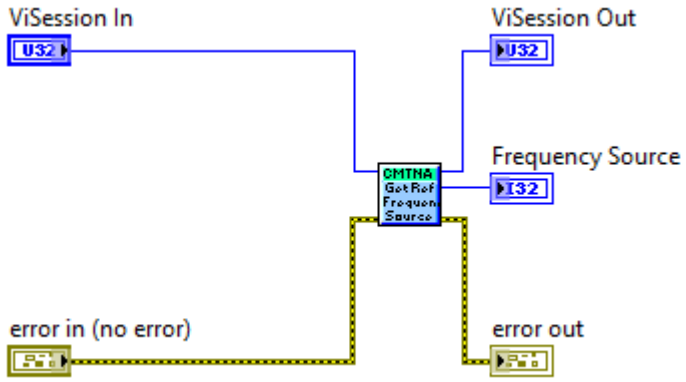
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Reference Frequency Source

Description

Gets the internal or external source of the reference frequency of 10 MHz.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Frequency Source

The internal or external source of the reference frequency of 10 MHz.

Valid list of return values:

0: Internal

1: External



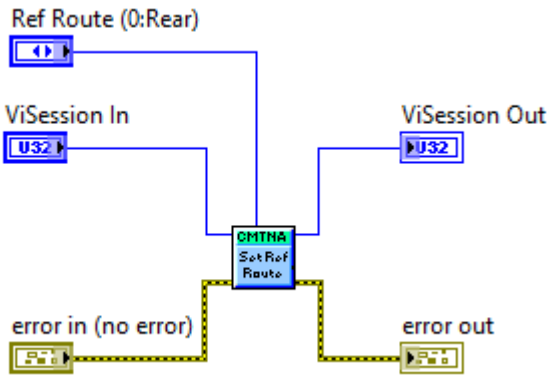
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set External Reference Route

Description

Sets the route of the external 10 MHz reference frequency (PXIe-S5090 model only). The source of the reference must be set to the EXTernal.



Ref Route (0:Rear)

The route.

Valid list of values:

0: Rear

1: Front

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



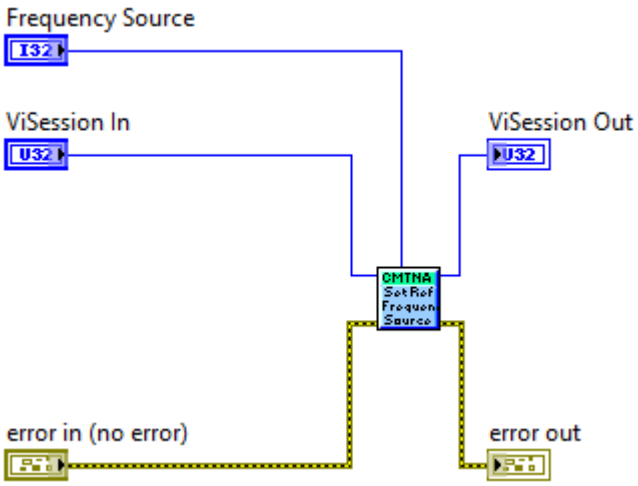
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Reference Frequency Source

Description

Sets the internal or external source of the reference frequency of 10 MHz.



Frequency Source

The internal or external source of the reference frequency of 10 MHz.

Valid list of return values:

0: Internal

1: External

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

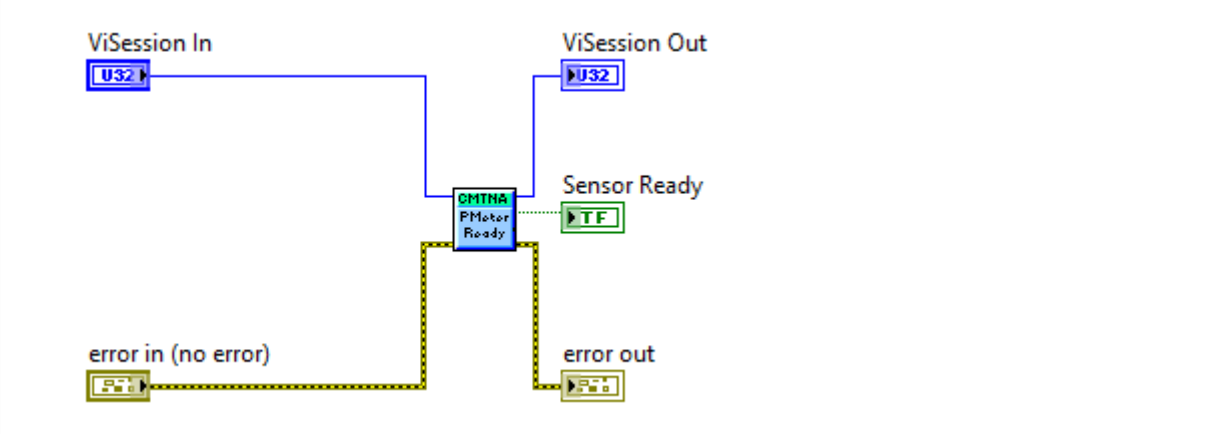
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Power Meter Setting

Get Power Sensor Ready

Description

Gets the ready state of the power sensor. The state is True when the power sensor is ready.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Sensor Ready

The ready state.

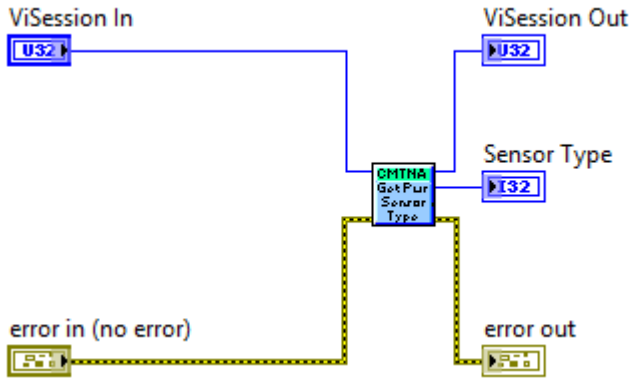
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Power Sensor Type

Description

Gets the power sensor type to be used in a source power calibration.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Sensor Type

The power sensor type.

Valid list of return values:

0: R&S NRP-Z Sensors (USB)

1: R&S NRPxT Sensors (USB)

2: R&S NRVS (GRIB).

3: Keysight U848x Sensors (USB).

4: Keysight U200x Sensors.



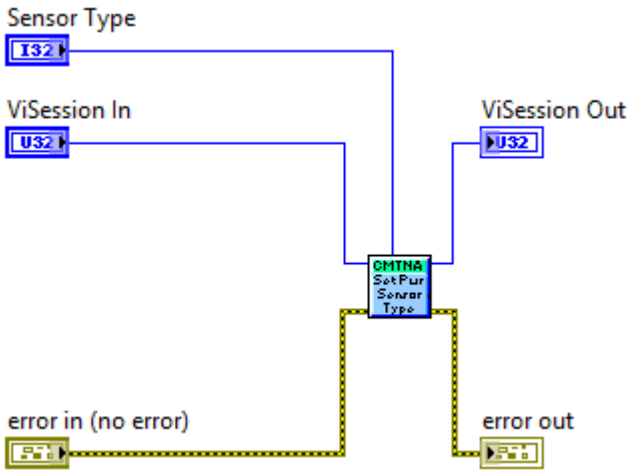
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Power Sensor Type

Description

Sets the power sensor type to be used in a source power calibration.



Sensor Type

The power sensor type.

Valid list of values:

0: R&S NRP-Z Sensors (USB)

1: R&S NRPxT Sensors (USB)

2: R&S NRVS (GRIB)

3: Keysight U848x Sensors (USB)

4: Keysight U200x Sensors

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



error out

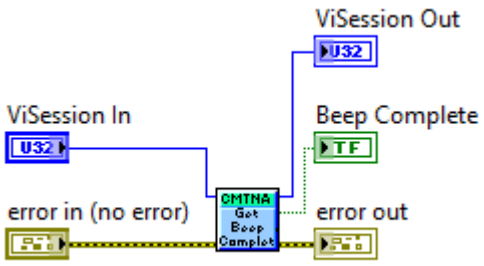
The error out cluster passes error or warning information out of a VI to be used by other VIs.

Beeper

Get Beep Complete On

Description

Turns ON/OFF the beeper notifying of the completion of the operation.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Beep Complete

The state of the beeper notifying.

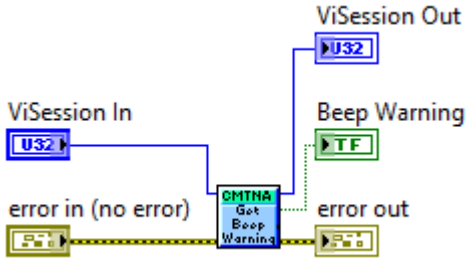
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Beep Warning

Description

Turns ON/OFF the beeper notifying of warning.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Beep Warning

The state of the beeper notifying of warning.

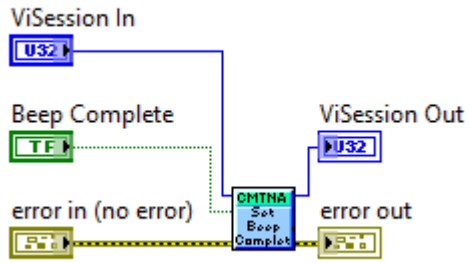
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Beep Complete On

Description

Turns ON/OFF the beeper notifying of the completion of the operation.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Beep Complete

The state of the beeper notifying.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

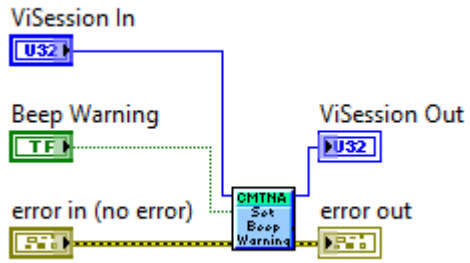
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Beep Warning

Description

Turns ON/OFF the beeper notifying of warning.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Beep Warning

The state of the beeper notifying of warning.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

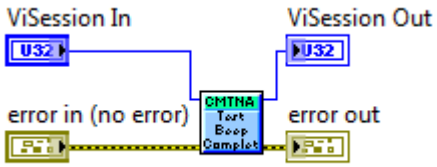
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Test Beep Complete

Description

Generates a beep to notify of the completion of the operation.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

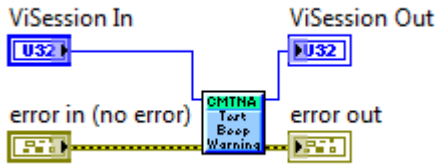
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Test Beep Warning

Description

Generates a beep to notify of warning.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

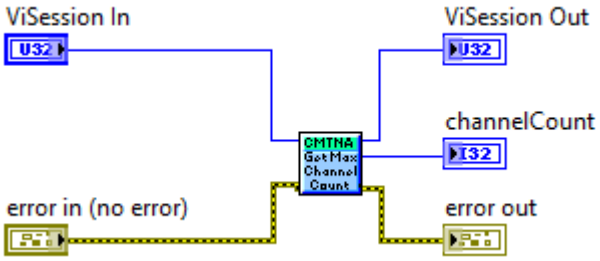
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Max Channel Count

Description

Gets the maximum number of the channels.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

channelCount

The maximum number of the channels.

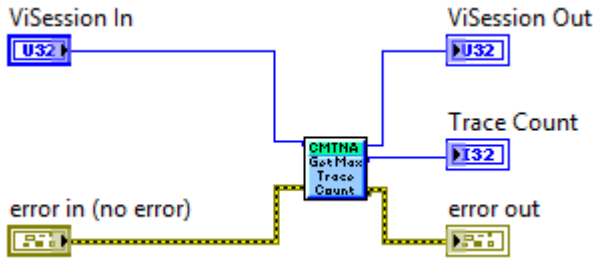
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Max Trace Count

Description

Gets the maximum number of the traces in the channel.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

TraceCount

The maximum number of the traces in the channel.

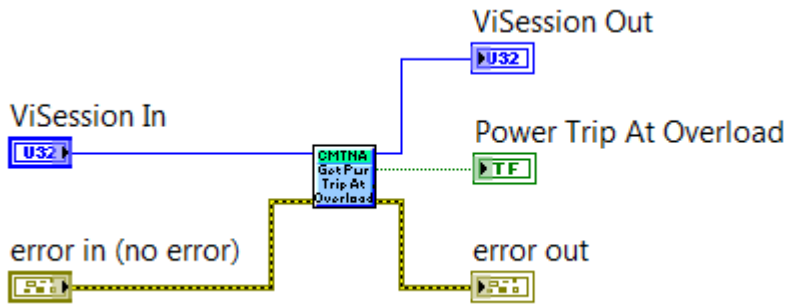
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Power Trip At Overload

Description

Turns ON/OFF the Power Trip at Overload function. Except for Planar-804/808/304 Models.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Power Trip At Overload

The state of the Power Trip at Overload function.

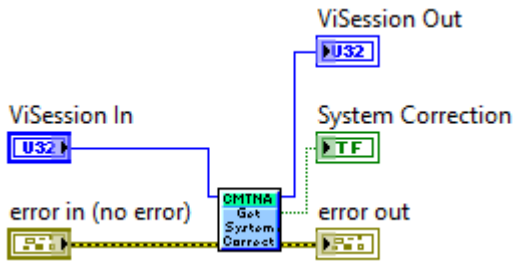
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get System Correction

Description

Turns ON/OFF the system correction. The system correction is the factory full 1-port calibration performed at the port connectors.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

System Correction

The state of the system correction.

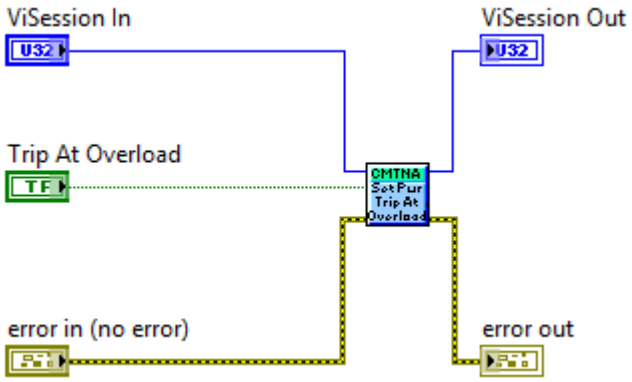
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Power Trip At Overload

Description

Turns on/off the power trip at overload function. except for planar-804/808/304 models.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Power Trip At Overload

The state of the Power Trip at Overload function.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

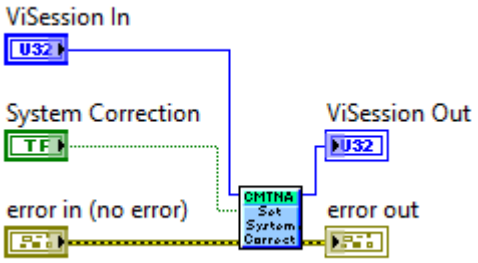
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set System Correction

Description

Turns ON/OFF the system correction. The system correction is the factory full 1-port calibration performed at the port connectors.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

System Correction

The state of the system correction.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

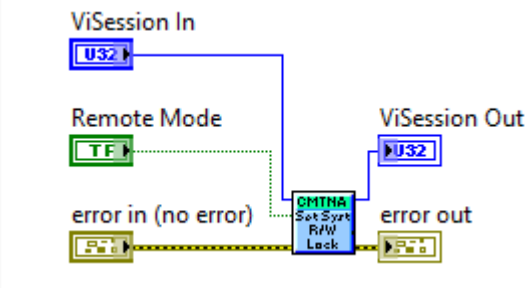
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set System Read Write Lock

Description

Sets the Analyzer to the local operation mode or remote operation mode, when all the keys on the front panel, mouse and the touch screen are active.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Remote Mode

The state of the Analyzer.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

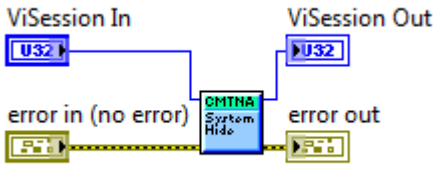
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

System Hide

Description

Minimizes the analyzer main window removing it from desktop.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

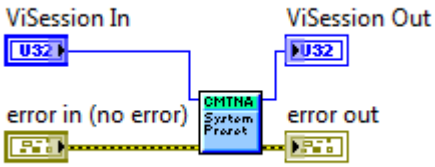
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

System Preset

Description

Resets the Analyzer to the factory settings.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

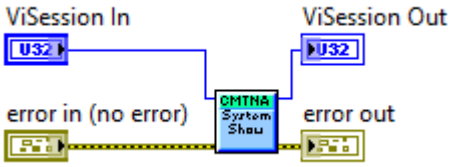
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

System Show

Description

Restores the analyzer main window hidden by CmtNA_System Hide function.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

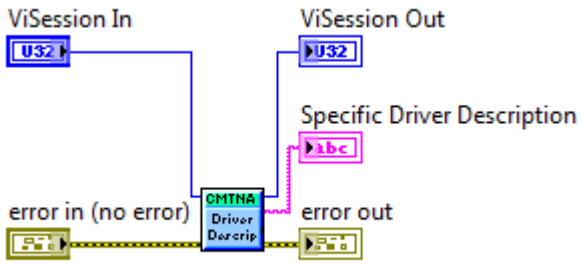
Utility

Specific driver

Get Specific Driver Description

Description

Returns a brief description of the IVI specific driver. The string that this attribute returns contains a maximum of 256 bytes including the NUL byte.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Specific Driver Description

The string of a brief description.

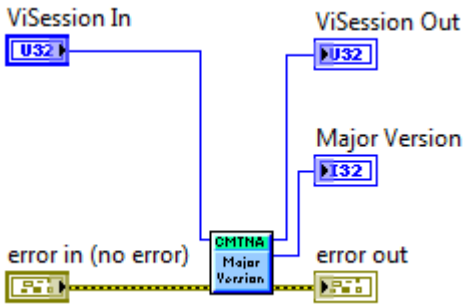
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Specific Driver Major Version

Description

Returns the major version number of the class specification in accordance with which the IVI specific driver was developed. Zero is returned if the driver is not compliant with a class specification.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Major Version

The major version number.

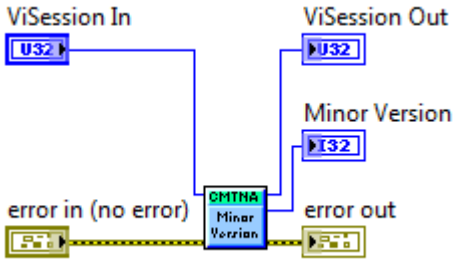
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Specific Driver Minor Version

Description

Returns the minor version number of the class specification in accordance with which the IVI specific driver was developed. Zero is returned if the driver is not compliant with a class specification.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Minor Version

The minor version number.

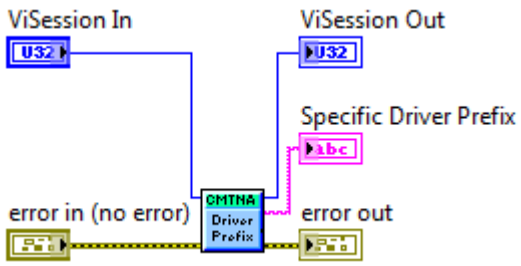
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Specific Driver Prefix

Description

Returns the case-sensitive prefix of the user-callable functions that the IVI-C specific driver exports. The string that this attribute returns contains a maximum of 32 bytes including the NUL byte.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Specific Driver Prefix

The case-sensitive prefix of the user-callable functions.

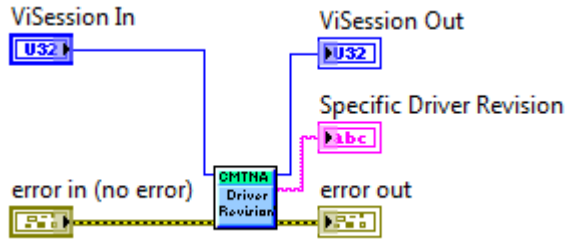
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Specific Driver Revision

Description

Returns version information about the IVI specific driver. The string that this attribute returns contains a maximum of 256 bytes including the NUL byte.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Specific Driver Revision

The string of version information.

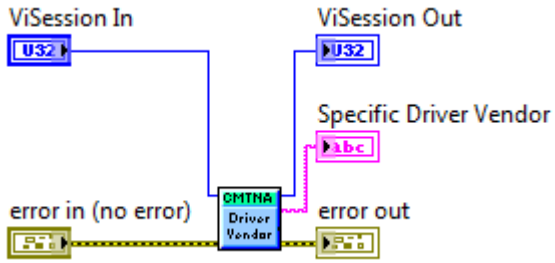
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Specific Driver Vendor

Description

Returns the name of the vendor that supplies the IVI specific driver. The string that this attribute returns contains a maximum of 256 bytes including the NUL byte.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Specific Driver Vendor

The string of name of the vendor.

error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Verification

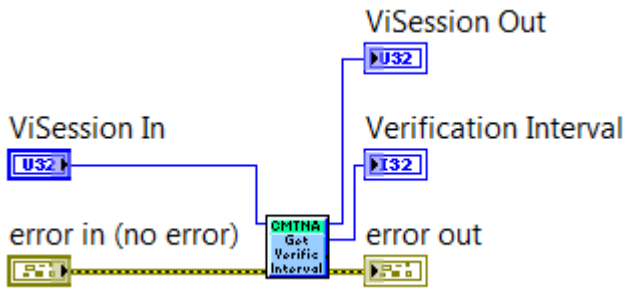
Get Verification Interval

Description

Gets the interval between Instrument Performance Verifications.

One year (365 days) is recommended.

This value is expressed in days.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Verification Interval

the interval between Instrument Performance Verifications.

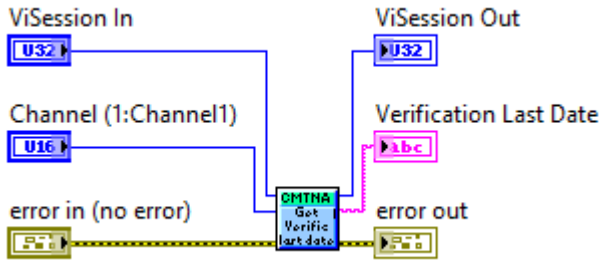
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Verification Last Date

Description

Gets the date of the last Instrument Performance Verification. The date format: "YYYY,MM,DD" (YYYY - year, MM - month, DD - day).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Verification Last Date

The date of the last Instrument Performance Verification.

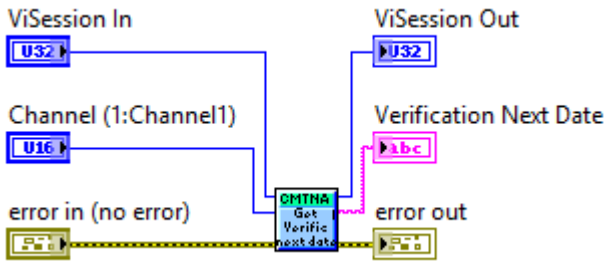
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Verification Next Date

Description

Gets the date of the next Instrument Performance Verification. The date format: "YYYY,MM,DD" (YYYY - year, MM - month, DD - day).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Verification Next Date

The date of the next Instrument Performance Verification.

error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

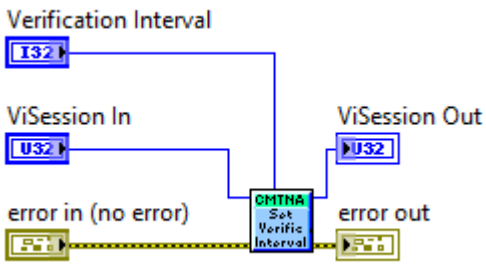
Set Verification Interval

Description

Sets the interval between Instrument Performance Verifications.

One year (365 days) is recommended.

This value is expressed in days.



Verification Interval

the interval between Instrument Performance Verifications.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



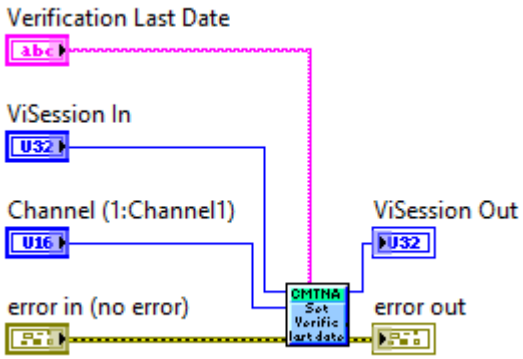
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Verification Last Date

Description

Sets the date of the last Instrument Performance Verification. The date format: "YYYY,MM,DD" (YYYY - year, MM - month, DD - day).



Verification Last Date

The date of the last Instrument Performance Verification.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Channel (1:Channel1)

Specifies the channel for which this operation is targeted.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



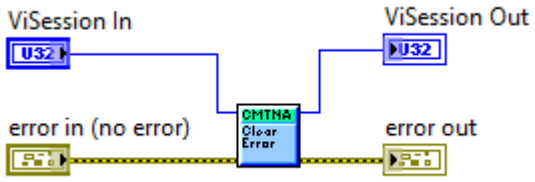
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Clear Error

Description

This function clears the error code and error description for the current execution thread and for the IVI session. If the user specifies a valid IVI session for the Vi parameter, this function clears the error information for the session. If the user passes VI_NULL for the Vi parameter, this function clears the error information for the current execution thread. If the Vi parameter is an invalid session, the function does nothing and returns an error.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

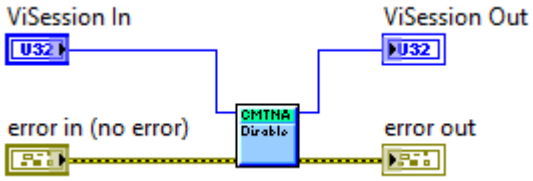
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Disable

Description

Places the instrument in a quiescent state where it has minimal or no impact on the system to which it is connected.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

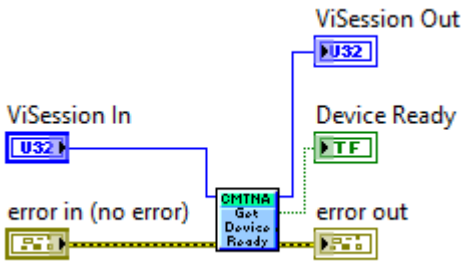
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Device Ready

Description

Gets the ready state of the Analyzer. The state is True when analyzer hardware is connected, powered and the boot process is completed (about 15 sec).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Device Ready

The state of the ready state of the Analyzer.

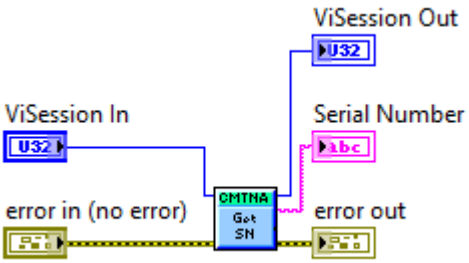
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Device Serial Number

Description

Gets the instrument serial number.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Serial Number

The instrument serial number.

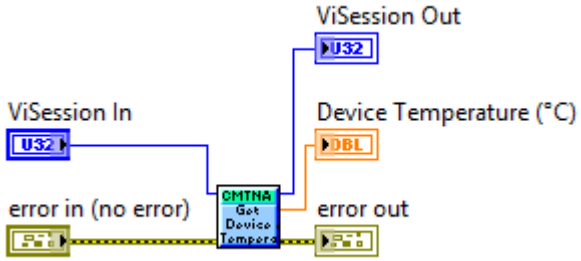
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Device Temperature

Description

Gets the specified sensor temperature inside the Analyzer. The value is expressed in Celsius degrees (°C).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Device Temperature(ºC)

The sensor temperature inside the Analyzer

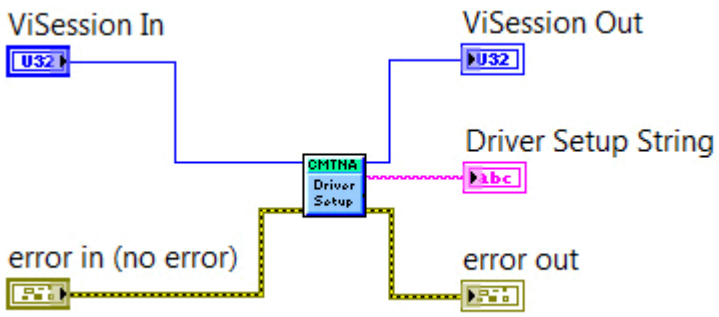
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Driver Setup

Description

The DriverSetup string is used to set the initial values for attributes that are specific to driver. The format of this string is "AttributeName=Value," where AttributeName is the name of the attribute and Value is the value to which the attribute is set. To set multiple attributes, separate their assignments with a comma.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Driver Setup String

The string.

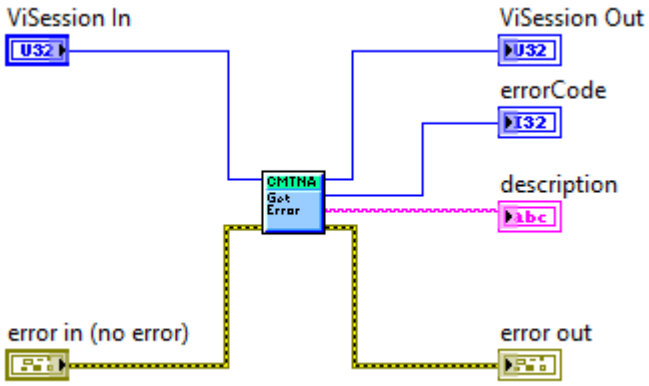
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Error

Description

This function retrieves and then clears the error information for the session or the current execution thread. If the user specifies a valid session for the Vi parameter, Get Error retrieves and then clears the error information for the session. If the user passes VI_NULL for the Vi parameter, CmtNA Get Error retrieves and then clears the error information for the current execution thread. If the Vi parameter is an invalid session, the function does nothing and returns an error.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error Code

Passes the status code that is returned from any CmtNA VIs. The default value is 0.



buffer Size

Specifies the size of the buffer into which to acquire the error message.



description

Returns the error description for the IVI session or execution thread. If there is no description, the CmtNA Get Error function returns an empty string.

The buffer must contain at least as many elements as the value you specify with bufferSize. If the error description, including the terminating NULL byte, contains more bytes than you indicate with bufferSize, the function copies bufferSize - 1 bytes into the buffer, places an ASCII NULL byte at the end of the buffer, and returns the size of the buffer that you must pass to get the entire value.

If you pass 0 to bufferSize, you can pass VI_NULL for this parameter.



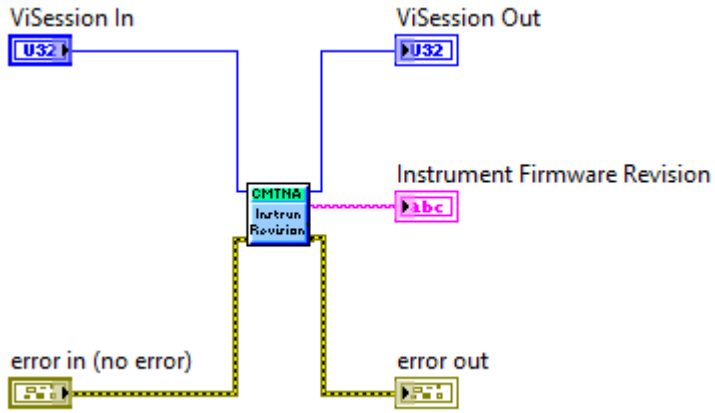
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Instrument Firmware Revision

Description

Gets the Analyzer identification string.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Instrument Firmware Revision

The Analyzer identification string.

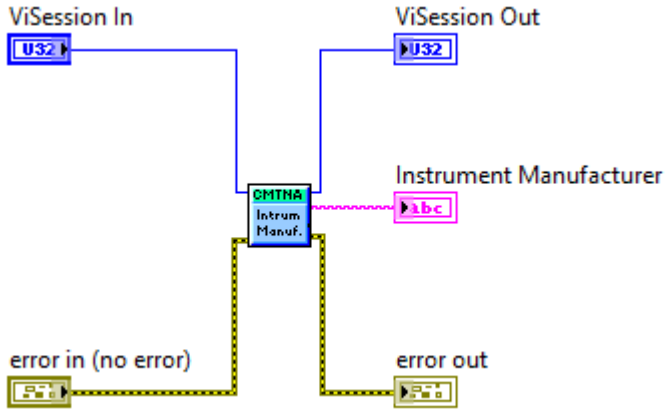
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Instrument Manufacturer

Description

Gets the Analyzer identification string.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Instrument Manufacturer

The Analyzer identification string.

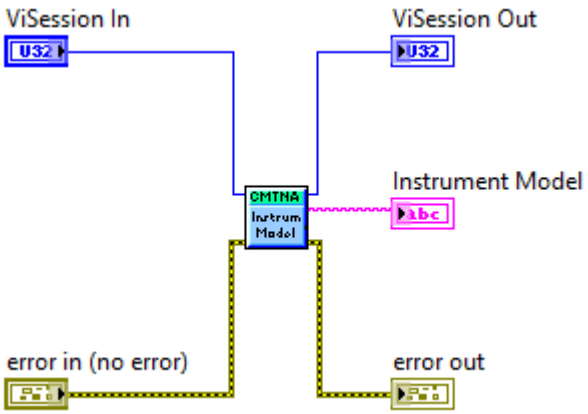
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Instrument Model

Description

Gets the Analyzer identification string.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Instrument Model

The Analyzer identification string.

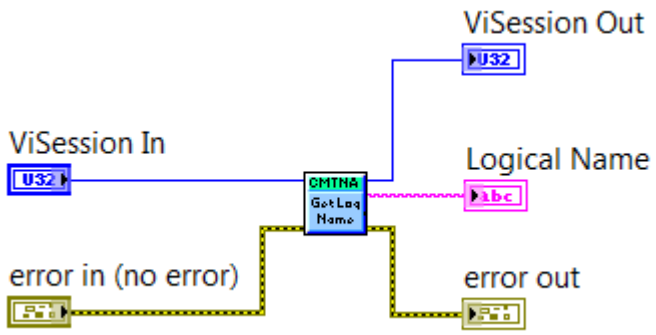
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Logical Name

Description

Logical Name identifies a driver session in the Configuration Store. If Logical Name is not empty, the driver was initialized from information in the driver session. If it is empty, the driver was initialized without using the Configuration Store.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Logical Name

The logical name.

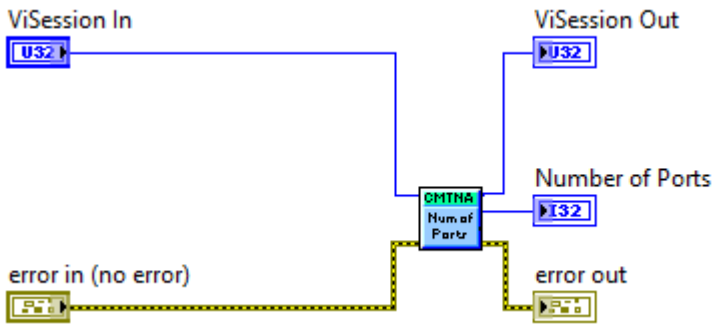
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Number of Ports

Description

Gets the number of the ports.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Number of Ports

The number of the ports.

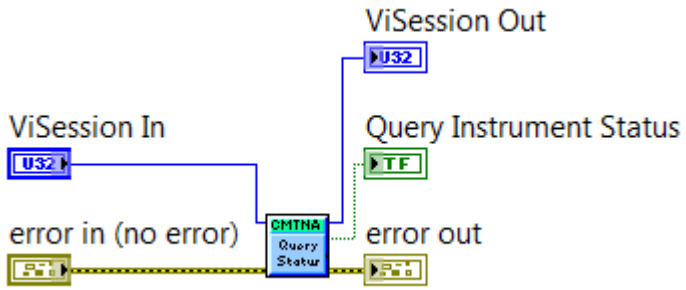
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Query Instrument Status

Description

If True, the driver queries the instrument status at the end of each method or property that performs I/O to the instrument. If an error is reported, use ErrorQuery to retrieve error messages one at a time from the instrument.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Query Instrument Status

The state the query of instrument status.

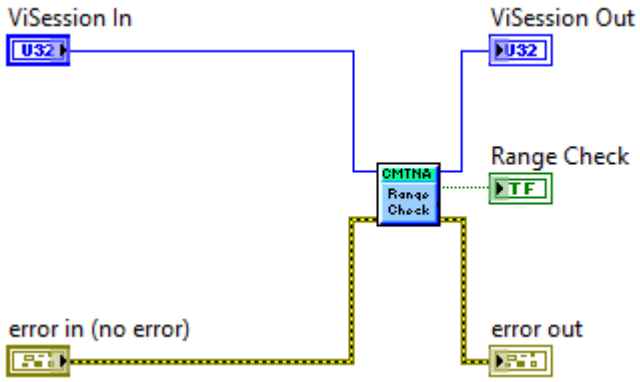
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Range Check

Description

Drivers may choose to always validate some property/parameter values, never validate others, and optionally validate others, to avoid sending invalid commands to the instrument. If True, the driver performs optional validations.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Range Check

The state of check.

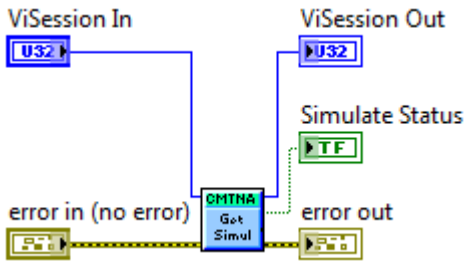
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Simulate

Description

If True, the driver does not perform I/O to the instrument, and returns simulated values for output parameters.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Simulate Status

The state of the simulate status.

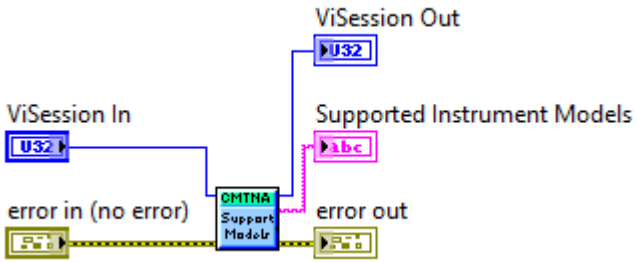
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get Supported Instrument Models

Description

A comma-separated list of instrument models that the IVI specific driver can control. The string does not include an abbreviation for the manufacturer if it is the same for all models.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Supported Instrument Models

The list of instrument models.

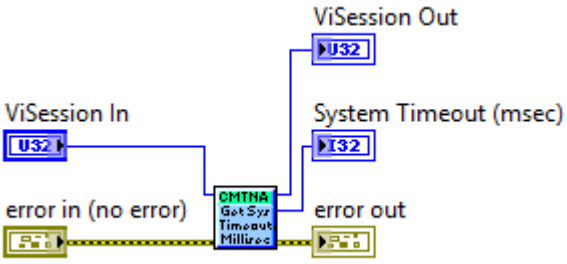
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Get System Timeout Milliseconds

Description

I/O timeout value in milliseconds. This value is expressed in milliseconds (ms).



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

System Time (msec)

The timeout value.

error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Lock Session

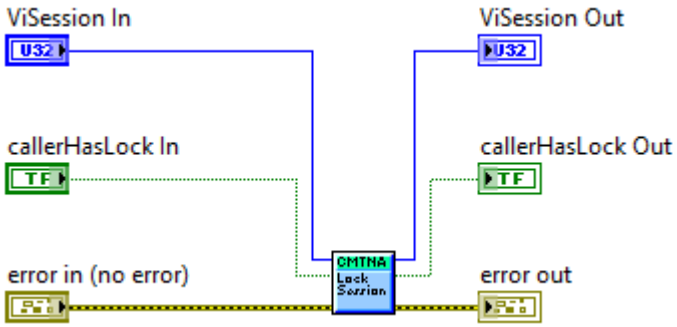
Description

Obtains a multithread lock on the instrument session. Before doing so, this function waits until all other execution threads have released their locks on the instrument session.

Other threads might have obtained a lock on this session in the following ways:

- Your application already called this function;
- A call to driver locked the session.

After the call to this function returns successfully, no other threads can access the instrument session until you call CmyNA Unlock Session.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

callerHasLock In

Keeps track of whether you obtain a lock and therefore need to unlock the session in complex functions. Pass the address of a local ViBoolean variable. In the declaration of the local variable, initialize it to VI_FALSE. Pass the address of the same local variable to any other calls you make to this function or the CmyNA Unlock Session function in the same function.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.



ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



callerHasLock Out

Keeps track of whether you obtain a lock and therefore need to unlock the session in complex functions. Pass the address of a local ViBoolean variable. In the declaration of the local variable, initialize it to VI_FALSE. Pass the address of the same local variable to any other calls you make to this function or the CmyNA Unlock Session function in the same function.



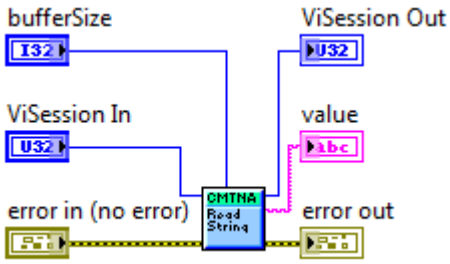
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Read String

Description

Reads the entire contents of the buffer until the termination character /n and return the data as string.



---

bufferSize

The number of bytes in the ViChar array that the user specifies for the Val parameter.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

value

Value read from the instrument.

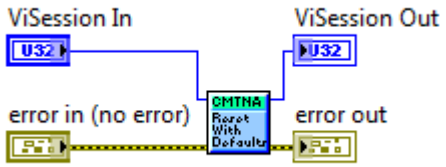
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Reset With Defaults

Description

Resets the device and then sends a set of default setup commands to the device.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

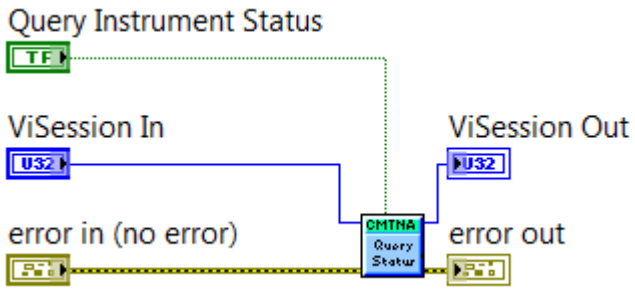
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set Query Instrument Status

Description

If True, the driver queries the instrument status at the end of each method or property that performs I/O to the instrument. If an error is reported, use ErrorQuery to retrieve error messages one at a time from the instrument.



Query Instrument Status

The state the query of instrument status.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

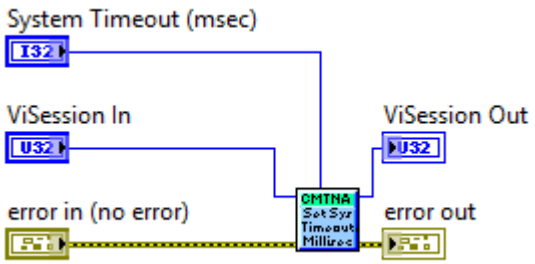
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Set System Timeout Milliseconds

Description

I/O timeout value in milliseconds. This value is expressed in milliseconds (ms).



System Time (msec)

The timeout value.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

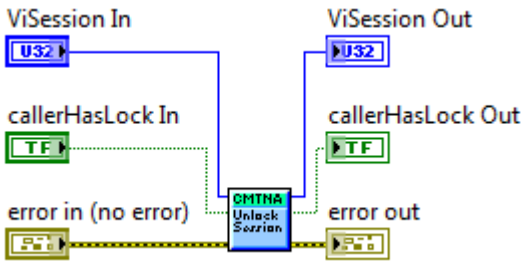
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Unlock Session

Description

Releases a lock obtained on an device driver session by calling the CmtNA_LockSession function. Refer to the CmtNA_LockSession function for additional information on session locks.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

callerHasLock In

Keeps track of whether you obtain a lock and therefore need to unlock the session in complex functions. Pass the address of a local ViBoolean variable. In the declaration of the local variable, initialize it to VI_FALSE. Pass the address of the same local variable to any other calls you make to this function or the CmyNA Unlock Session function in the same function.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

callerHasLock Out

Keeps track of whether you obtain a lock and therefore need to unlock the session in complex functions. Pass the address of a local ViBoolean variable. In the declaration of the local variable, initialize it to VI_FALSE. Pass the address of the same local variable to any other calls you make to this function or the CmyNA Unlock Session function in the same function.



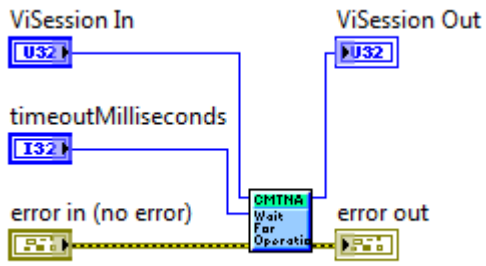
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Wait For Operation Complete

Description

Method returns when all pending operations are complete or maxTimeMilliseconds exceeded.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

timeoutMilliseconds

Maximum time out. This value is expressed in milliseconds.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

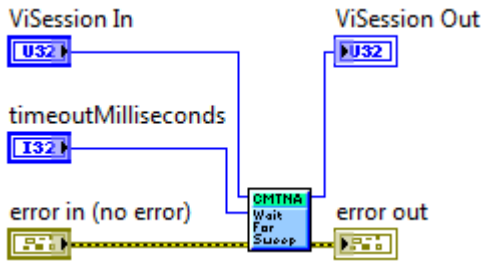
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Wait For Sweep Complete

Description

Minimizes the analyzer main window removing it from desktop.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

timeoutMilliseconds

Maximum time out. This value is expressed in milliseconds.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

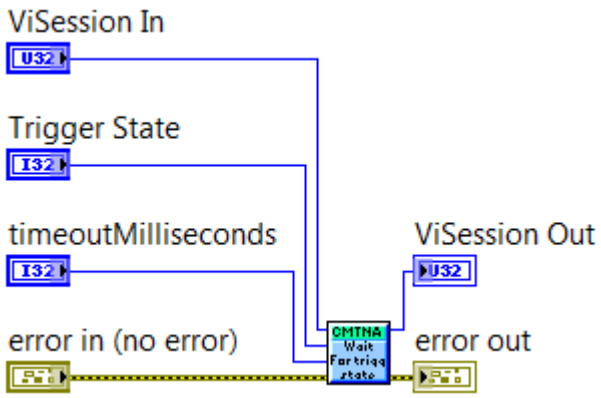
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Wait For Trigger State

Description

Waits the specified state of the analyzer has been reached. The function can be used to wait for the end of the sweep. If the continuous initiation mode is turned ON - the parameter of the function must be WAIT, otherwise HOLD.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

Trigger State

Specifies state of the analyzer.

timeoutMilliseconds

Maximum time out. This value is expressed in milliseconds.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.



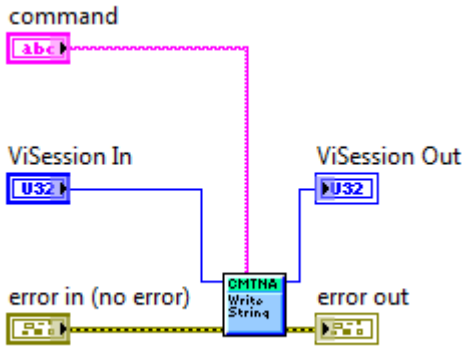
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Write String

Description

Writes a string to the I/O Stream and flush the buffer.



---

command

(String): Any SCPI Command supported by the Analyzer.

ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error out

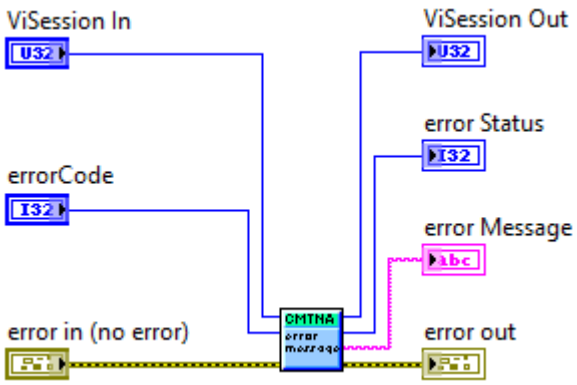
The error out cluster passes error or warning information out of a VI to be used by other VIs.

---

error message

Description

Converts an error code returned by an CmtNA VI into a user-readable string.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error Status

Returns the status code.

error Message

Returns the user-readable message string that corresponds to the status code specified in error code.



error out

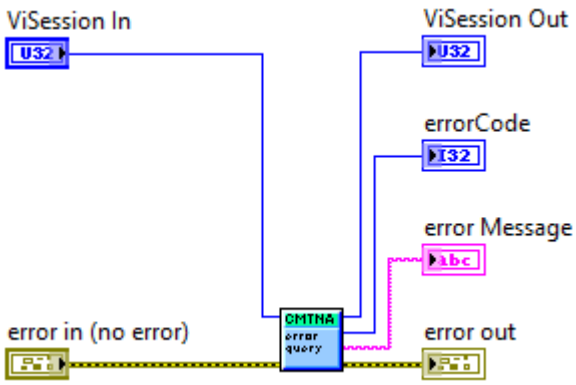
The error out cluster passes error or warning information out of a VI to be used by other VIs.

---

error query

Description

Queries the instrument and returns instrument specific error information. This function can be used when QueryInstrumentStatus is True to retrieve error details when the driver detects an instrument error.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

errorCode

Passes the returnValue parameter that is returned from any driver function. The default value is 0 (VI_SUCCESS).

error Message

Returns the user-readable message string that corresponds to the status code you specify.



error out

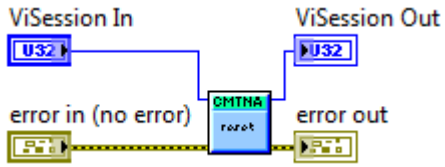
The error out cluster passes error or warning information out of a VI to be used by other VIs.

---

reset

Description

Resets the device to a known initialization state. CmtNA_reset sends the command string *RST to the instrument.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error out

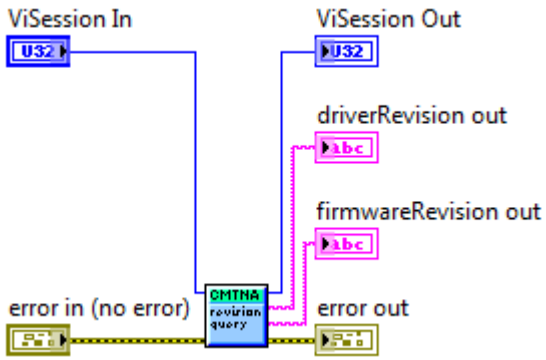
The error out cluster passes error or warning information out of a VI to be used by other VIs.

---

revision query

Description

Queries the revision of the device.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

driverRevision out

Returns the instrument driver software revision in the form of a string.

firmwareRevision out

Returns the instrument firmware revision numbers in the form of a string. This version and its capabilities are set by the instrument manufacturer.



error out

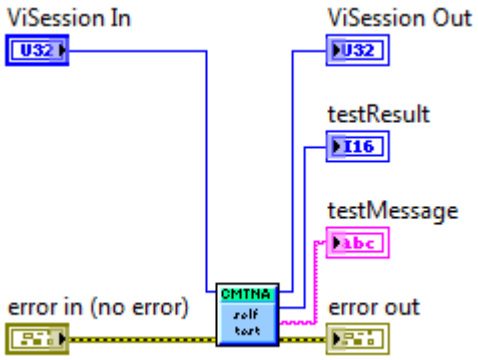
The error out cluster passes error or warning information out of a VI to be used by other VIs.

---

self test

Description

Performs a self-test on the CmtNA device and returns the test result. This VI performs a simple series of tests verifying that the CmtNA device is powered on and responding.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI. **ViSession Out** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

testResult

Returns the value from the device self-test. A value of 0 indicates that the device is powered on and responding. A value of 1 indicates that the device failed the self test.

testMessage

Returns the self-test response string from the instrument.



error out

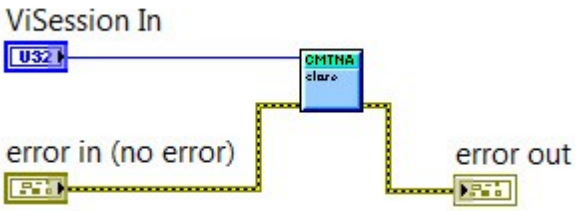
The error out cluster passes error or warning information out of a VI to be used by other VIs.

---

close

Description

Closes the session to the device.



ViSession In

Identifies your instrument session. **ViSession In** is obtained from the CmtNA init VI or the CmtNA Init With Options VI and identifies a particular instrument session.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

error out

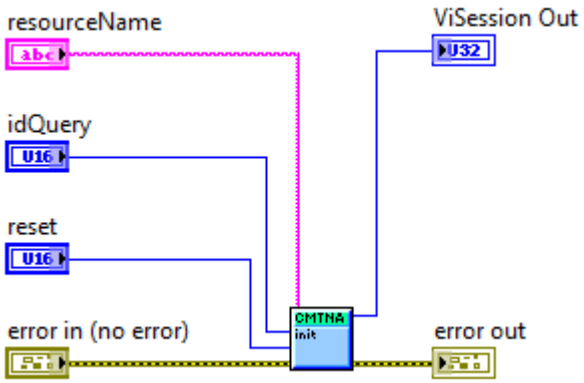
The error out cluster passes error or warning information out of a VI to be used by other VIs.

---

init

Description

Creates a new session to the device.



resourceName

Specify the resource name of the device to initialize.

idQuery

Specify whether CmtNA performs an ID query. Regardless of how you set this parameter, CmtNA always checks the device type.

reset

Specify whether to reset the device to a known initialization state.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

Output Power Port Couple

The state of the port power couple.

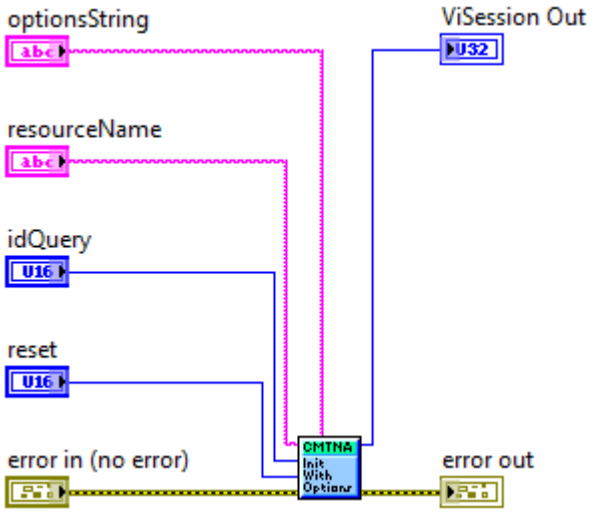
error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

Init With Options

Description

Creates a new session to the device and specifies initialization options, such as setting default values or enabling simulation.



optionsString

Sets the initial value of certain properties for the session.

Driver options and their default state:

QueryInstrStatus=false

Simulate=false

Cache=false

InterchangeCheck=false

RangeCheck=false

RecordCoercions=false

Specific driver options:

Visible=false

WaitReady=true

TCPNoDelay=true

Example: optionsString = "Simulate=true, QueryInstrStatus=true"

resourceName

Specify the resource name of the device to initialize.

idQuery

Specify whether CmtNA performs an ID query. Regardless of how you set this parameter, CmtNA always checks the device type.

reset

Specify whether to reset the device to a known initialization state.

error in (no error)

The error in cluster can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

ViSession Out

Passes a reference to your instrument session to the next VI.

error out

The error out cluster passes error or warning information out of a VI to be used by other VIs.

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