

Please make the following alterations to the User's Manual IM701830-11E. Note that some of the commands may not be applicable depending on the firmware version. For details, see the descriptions of the relevant functions and operations given in the User's Manual IM701830-01E and alteration notice that came with it (provided as necessary).

Commands that have been changed

:CHANnel<x>[:VOLTage]:LSCale:MODE

Function Sets/queries the linear scaling mode, when the voltage module is installed at the channel (slot).

Syntax :CHANnel<x>[:VOLTage]:LSCale:MOD {AXBI OFF|P12}
:CHANnel<x>[:VOLTage]:LSCale:MODE?
<x>=1 to 16

Example :CHANNEL1:VOLTAGE:LSCALE:MODE AXB
:CHANNEL1:VOLTAGE:LSCALE:MODE?→:CHANNEL1:VOLTAGE:LSCALE:MODE AXB

Description An error will occur, if the voltage module is not installed.

:HISTory:DISPlay

Function Sets/queries whether to display only one record or accumulate the display of multiple records.

Syntax :HISTory:DISPlay
{<NRF>, <NRF>|SElected|AVERage}
:HISTory:DISPlay?
<NRF>=0 to -999

Example :HISTORY:DISPLAY SELECTED
:HISTORY:DISPLAY?→:HISTORY:DISPLAY SELECTED

Description The number of records that can be specified varies depending on the acquisition settings and the extended memory For details, see the User's Manual IM701830-01E.

:TRIGger:BTRigger:CHANnel<x>

Function Sets/queries the channel condition for pattern B.

Syntax :TRIGger:BTRigger:CHANnel<x> {DONTcare|HIGH|LOW}
:TRIGger:BTRigger:CHANnel<x>?
<x>=1 to 18 (However, 17 and 18 correspond to LOGIC1 and LOGIC2 when the 32-bit extended logic input is installed.)

Example (An example for CH1 is given below.)
:TRIGGER:BTRIGGER:CHANNEL1 HIGH
:TRIGGER:BTRIGGER:CHANNEL1?→:TRIGGER:BTRIGGER:CHANNEL1 HIGH

Description If modules other than the logic input module is installed, select from {HIGH|LOW|DON'T care}. If there is no module installed or the logic input module is installed, an error occurs.

:TRIGger:CHANnel<x>?

Function Queries all trigger conditions for the specified channel.

Syntax :TRIGger:CHANnel<x>?
<x>=1 to 18 (However, 17 and 18 correspond to LOGIC1 and LOGIC2 when the 32-bit extended logic input is installed.)

Example :TRIGGER:CHANNEL1?→:TRIGGER:CHANNEL1:LEVEL 0.000E+03;HYSTERESIS OFF

Description An error will occur, if there is no module installed at the channel (slot).

:TRIGger:CHANnel<x>:PODA

Function Sets/queries the bit pattern of Pod A, when the logic input module is installed at the channel (slot).

Syntax :TRIGger:CHANnel<x>:PODA {(HILIX)(HILIX)(HILIX)(HILIX)(HILIX)(HILIX)}
(Bit 8 to bit 1 from the left of the data)
:TRIGger:CHANnel<x>:PODA?
<x>=1 to 18 (However, 17 and 18 correspond to LOGIC1 and LOGIC2 when the 32-bit extended logic input is installed.)
H=HIGH, L=LOW, X=DON't care

Example (Below is an example when bits 8, 5, and 2 of Pod A of channel 1 are set to High; bits 7, 4, and 1 to Low; and bits 6 and 3 to DON't care.)
:TRIGGER:CHANNEL1:PODA HLXHLXHL
:TRIGGER:CHANNEL1:PODA?→:TRIGGER:CHANNEL1:PODA HLXHLXHL

Description • The statuses of bit 8 to 1 of Pod A are represented from the left of the data. Each bit can be set to H (High), L (Low), or X (DON't care).
• An error will occur if all 8 bits are not set.
• An error will occur, if the logic input module is not installed or when <X>=17 or 18 and the 32-bit logic input is not installed.

:TRIGger:CHANnel<x>:PODB

- Function** Sets/queries the bit pattern of Pod B, when the logic input module is installed at the channel (slot).
- Syntax** :TRIGger:CHANnel<x>:PODB {(H|L|X)(H|L|X)(H|L|X)(H|L|X)(H|L|X)(H|L|X)}
(Bit 8 to bit 1 from the left of the data)
:TRIGger:CHANnel<x>:PODB?
<x>=1 to 18 (However, 17 and 18 correspond to LOGIC1 and LOGIC2 when the 32-bit extended logic input is installed.)
H=HIGH, L=LOW, X=DON't care
- Example** (Below is an example when bits 8, 5, and 2 of Pod B of channel 1 are set to High; bits 7, 4, and 1 to Low; and bits 6 and 3 to DON't care.)
:TRIGGER:CHANNEL1:PODB HLXHLXHL
:TRIGGER:CHANNEL1:PODB?→:TRIGGER:CHANNEL1:PODB HLXHLXHL
- Description**
- The statuses of bit 8 to 1 of Pod B are represented from the left of the data. Each bit can be set to H (High), L (Low), or X (DON't care).
 - An error will occur if all 8 bits are not set.
 - An error will occur, if the logic input module is not installed or when <X>=17 or 18 and the 32-bit logic input is not installed.

Commands that have been added

:ACQUIRE:PROTate

Function Sets/queries the Pulse/Rotate value, when the time base is set to external clock.

Syntax :ACQUIRE:PROTate {<NRf>}
:ACQUIRE:PROTate?

Example :ACQUIRE:PROTATE 1
:ACQUIRE:PROTATE?→:ACQUIRE:PROTATE 1

:CHANNEL<x>[:VOLTage]:SCALE

Function Sets/queries the upper and lower limits of the screen, when the High-Resolution Voltage/RMS Isolation Module (701857) is installed at the channel (slot).

Syntax :CHANNEL<x>[:VOLTage]:SCALE {<Voltage>,<Voltage>}
:CHANNEL<x>[:VOLTage]:SCALE?
<x>=1 to 16
<Voltage>= See the User's Manual IM701830-01E.

Example :CHANNEL1:VOLTAGE:SCALE 20V,-20V
:CHANNEL1:VOLTAGE:SCALE?→:CHANNEL1:
VOLTAGE:SCALE 20.00E+00,-20.00E+00

Description An error will occur, if the High-Resolution Voltage/RMS Isolation Module (701857) is not installed.

:CHANNEL<x>[:VOLTage]:VARIABLE

Function Sets/queries whether to turn ON/OFF the Variable mode, when the High-Resolution Voltage/RMS Isolation Module (701857) is installed at the channel (slot).

Syntax :CHANNEL<x>[:VOLTage]:VARIABLE {<Boolean>}
:CHANNEL<x>[:VOLTage]:VARIABLE?
<x>=1 to 16

Example :CHANNEL1:VOLTAGE:VARIABLE ON
:CHANNEL1:VOLTAGE:VARIABLE?→:CHANNEL1:
VOLTAGE:VARIABLE 1

Description An error will occur, if the High-Resolution Voltage/RMS Isolation Module (701857) is not installed.

:CHANNEL<x>[:VOLTage]:LSCale:{P1X|P1Y|P2X|P2Y}

Function Sets/queries the P1:X|P1:Y|P2:X|P2:Y value of linear scaling, when the voltage module is installed at the channel (slot).

Syntax :CHANNEL<x>[:VOLTage]:LSCale: {P1X|P1Y|P2X|P2Y} {<NRf>}
:CHANNEL<x>[:VOLTage]:LSCale: {P1X|P1Y|P2X|P2Y}?
<x>=1 to 16
<NRf>=-1E+30 to 1E+30

Example :CHANNEL1:VOLTAGE:LSCALE:P1X 10
:CHANNEL1:VOLTAGE:LSCALE:P1X?→:CHANNEL1:
VOLTAGE:LSCALE:P1X 10.000E+00

Description An error will occur, if the voltage module is not installed.

:CHANNEL<x>[:VOLTage]:LSCale:{GETP1X|GETP2X}

Function Executes the measurement of P1:X|P2:X of linear scaling, when the voltage module is installed at the channel (slot).

Syntax :CHANNEL<x>[:VOLTage]:LSCale: {GETP1X|GETP2X}
<x>=1 to 16

Example :CHANNEL1:VOLTAGE:LSCALE:GETP1X

Description An error will occur, if the voltage module is not installed.

:CHANNEL<x>:STrain:LSCale:{GETP1X|GETP2X}

Function Executes the measurement of P1:X|P2:X of linear scaling, when the strain module is installed at the channel (slot).

Syntax :CHANNEL<x>:STrain:LSCale: {GETP1X|GETP2X}
<x>=1 to 16

Example :CHANNEL1:STRAIN:LSCALE:GETP1X

Description An error will occur, if the strain module is not installed.

:HISTORY:AVERage

Function Displays the average of multiple records.

Syntax :HISTORY:AVERage

Example :HISTORY:AVERAGE

:MATH<x>:DISPlay

Function Sets/queries the ON/OFF condition of each computation waveform.

Syntax :MATH<x>:DISPlay {<Boolean>}
:MATH<x>:DISPlay?
<x>=1 to 8

Example :MATH1:DISPLAY ON
:MATH1:DISPLAY?→:MATH1:DISPLAY 1

Add the GO/NOGO group.

The commands in the GO/NOGO group are used to make settings and queries about the GO/NO-GO determination. This allows you to make the same settings and queries that can be made using the GO/NO-GO menu of the MISC key with the exception of the creation of zones.

:GONogo?

Function Queries all settings related to the GO/NO-GO determination.

Syntax :GONogo?

Example :GONOGO?→:GONOGO:MODE PARAMS;ACTION:CONDITION FAILURE;BUZZER 0;HCOPY 0;SAVE 0;:GONOGO :CLEAR1;CHANNEL1:FREQUENCY:MODE DONTCARE;LIMIT 0.10E+09,200.0E+03;:GONOGO:CHANNEL1:MAXIMUM:MODE DONTCARE;LIMIT 1.000000E+30,-1.000000E+30;:GONOGO:CHANNEL1:MINIMUM:MODE DONTCARE;LIMIT 1.000000E+30,-1.000000E+30;:GONOGO:CHANNEL1:NOVERSHOOT:MODE DONTCARE;LIMIT 100,0;:GONOGO:CHANNEL1:PERIOD:MODE DONT CARE;LIMIT 5.000E-06,0.005E-06;:GONOGO:CHANNEL1:POVERSHOOT:MODE DONTCARE;LIMIT 100,0;:GONOGO:CHANNEL1:TY1INTEG:MODE DONTCARE;LIMIT 1.000000E+30,-1.000000E+30;:GONOGO:CHANNEL1:TY2INTEG:MODE DONTCARE;LIMIT 1.000000E+30,-1.000000E+30;:GONOGO:LOGIC AND;SEQUENCE CONTINUOUS;REMSTART 0

:GONogo:ACTiON?

Function Queries the action to be performed when the condition is met (or not met) and the criteria.

Syntax :GONogo:ACTiON?

Example :GONOGO:ACTION?→:GONOGO:ACTION:BUZZER 0;CONDITION FAILURE;HCOPY 0;SAVE 0

:GONogo:ACTiON:BUZZer

Function Sets/queries whether or not to sound an alarm when the condition is met (or not met).

Syntax :GONogo:ACTiON:BUZZer {<Boolean>}
:GONogo:ACTiON:BUZZer?

Example :GONOGO:ACTION:BUZZER OFF
:GONOGO:ACTION:BUZZER?→:GONOGO:ACTION:BUZZER 0

:GONogo:ACTiON:CONDition

Function Sets/queries the GO/NO-GO conditions.

Syntax :GONogo:ACTiON:CONDition {ALways|FAILure|SUCCEss}
:GONogo:ACTiON:CONDition?

Example :GONOGO:ACTION:CONDITION FAILURE
:GONOGO:ACTION:CONDITION?→:GONOGO:ACTION:CONDITION FAILURE

:GONogo:ACTiON:HCOPY (Hard COPY)

Function Sets/queries whether or not to make a hard copy to the built-in printer when the condition is met (or not met).

Syntax :GONogo:ACTiON:HCOPY {<Boolean>}
:GONogo:ACTiON:HCOPY?

Example :GONOGO:ACTION:HCOPY OFF
:GONOGO:ACTION:HCOPY?→:GONOGO:ACTION:HCOPY 0

:GONogo:ACTiON:SAVE

Function Sets/queries whether or not to save to the storage medium when the condition is met (or not met).

Syntax :GONogo:ACTiON:SAVE {<Boolean>}
:GONogo:ACTiON:SAVE?

Example :GONOGO:ACTION:SAVE OFF
:GONOGO:ACTION:SAVE?→:GONOGO:ACTION:SAVE 0

Description Use the "FILE:MISC:MEDIA" command to set or query the type of storage medium.

:GONogo:{CHANnel<x>|MATH<x>}?

Function Queries all settings related to the specified waveform.

Syntax :GONogo:{CHANnel<x>|MATH<x>}?
<x> (CHANnel)=1 to 16
<x> (MATH)=1 to 8

Example :GONOGO:CHANNEL1?→:GONOGO:CHANNEL1: CLEAR 1;FREQUENCY:MODE DONTCARE;LIMIT 0.10E+09,200.0E+03;:GONOGO:CHANNEL1:MAXIMUM:MODE DONTCARE;LIMIT 1.000000E+30,-1.000000E+30;:GONOGO:CHANNEL1:MINIMUM:MODE DONTCARE;LIMIT 1.000000E+30,-1.000000E+30;:GONOGO:CHANNEL1:NOVERSHOOT:MODE DONTCARE;LIMIT 100,0;:GONOGO:CHANNEL1:PERIOD:MODE DONTCARE;LIMIT 5.000E-06,0.005E-06;:GONOGO:CHANNEL1:POVERSHOOT:MODE DONTCARE;LIMIT 100,0;:GONOGO:CHANNEL1:TY1INTEG:MODE DONTCARE;LIMIT 1.000000E+30,-1.000000E+30;:GONOGO:CHANNEL1:TY2INTEG:MODE DONTCARE;LIMIT 1.000000E+30,-1.000000E+30

:GONogo:{CHANnel<x>|MATH<x>}:CAUSE?

Function Queries whether or not the waveform is the cause of the failure.

Syntax :GONogo:{CHANnel<x>|MATH<x>}:CAUSE?
<x> (CHANnel)=1 to 16
<x> (MATH)=1 to 8

Example (An example for CH1 is given below.)
:GONOGO:CHANNEL1:CAUSE?→1

Description "1" will be returned if the waveform is the cause of the failure, or "0" will be returned if it is not.

:GONogo:{CHANnel<x>|MATH<x>}:CLEar

Function Clears the channel's parameters.

Syntax :GONogo: {CHANnel<x>|MATH<x>}:
CLEar {<NRF>}

<x> (CHANnel)=1 to 16

<x> (MATH)=1 to 8

Example :MEASURE:CHANNEL1:CLEAR

Description The <NRF> argument is meaningless (dummy argument) and can be omitted.

:GONogo:{CHANnel<x>|MATH<x>}:<Parameter>:LIMit

Function Queries all settings related to the parameters of the specified waveform.

Syntax :GONogo: {CHANnel<x>|MATH<x>}:<Parameter>?

<x> (CHANnel)=1 to 16

<x> (MATH)=1 to 8

<Parameter>={AMPLitude|AVERage|FALL|
FDElay|FREQuency|HIGH|LOW|MAXimum|MINimum|
NDUTycycle|NOVershoot|NWIDth|PDUTycycle|PERiod|
PNUMBER|POVershoot|PTOPeak|PWIDth|RDElay|
RISE|RMS|SDEVIatiON|TY1Integ|TY2Integ|
XY1Integ|XY2Integ}

Example (An example for the average value of CH1 is given below.)

:GONOGO:CHANNEL1:AVERAGE?→:GONOGO:
CHANNEL1:AVERAGE:MODE DONTCARE;
LIMIT 1.000000E+30,-1.000000

:GONogo:{CHANnel<x>|MATH<x>}:<Parameter>:CAUSE?

Function Queries whether or not the specified parameter of the waveform is the cause of the failure.

Syntax :GONogo: {CHANnel<x>|MATH<x>}:<Parameter>:
CAUSE?

<x> (CHANnel)=1 to 16

<x> (MATH)=1 to 8

<Parameter>={AMPLitude|AVERage|FALL|
FDElay|FREQuency|HIGH|LOW|MAXimum|MINimum|
NDUTycycle|NOVershoot|NWIDth|PDUTycycle|PERiod|
PNUMBER|POVershoot|PTOPeak|PWIDth|RDElay|
RISE|RMS|SDEVIatiON|TY1Integ|TY2Integ|
XY1Integ|XY2Integ}

Example (An example for the average value of CH1 is given below.)

:GONOGO:CHANNEL1:AVERAGE:CAUSE?→1

Description "1" will be returned if the waveform is the cause of the failure, or "0" will be returned if it is not.

:GONogo:{CHANnel<x>|MATH<x>}:<Parameter>:LIMit

Function Sets/queries the upper and lower limits of the parameter of the specified waveform. Setting or querying is possible only when "GONogo: {CHANnel<x>|MATH<x>}:<Parameter>:MODE ON" is specified.

Syntax :GONogo: {CHANnel<x>|MATH<x>}:<Parameter>:
LIMit {<Voltage>,<Voltage>|<Time>,<Time>|
<Frequency>,<Frequency>|<NRF>,<NRF>}

:GONogo: {CHANnel<x>|MATH<x>}:<Parameter>:
LIMit?

<x> (CHANnel)=1 to 16

<x> (MATH)=1 to 8

<Parameter>={AMPLitude|AVERage|FALL|
FDElay|FREQuency|HIGH|LOW|MAXimum|MINimum|
NDUTycycle|NOVershoot|NWIDth|PDUTycycle|PERiod|
PNUMBER|POVershoot|PTOPeak|PWIDth|RDElay|
RISE|RMS|SDEVIatiON|TY1Integ|TY2Integ|
XY1Integ|XY2Integ}

<Voltage>, <Time>, <Frequency>, <NRF>= See the User's Manual IM701830-01E

Example (An example for the average value of CH1 is given below.)

:GONOGO:CHANNEL1:AVERAGE:LIMIT 490MV,510MV
:GONOGO:CHANNEL1:AVERAGE:LIMIT?→:GONOGO:
CHANNEL1:AVERAGE:LIMIT 4.90E-1,5.10E-1

Description You must issue one of the following commands before you can execute this command:
"MEASure: {CHANnel<x>|MATH<x>}:<Parameter>:
STATE ON" or "GONogo: {CHANnel<x>|MATH<x>}:
<Parameter>:MODE."

:GONogo:{CHANnel<x>|MATH<x>}:<Parameter>:MODE

Function Sets/queries the condition of the upper and lower limits of the parameter of the specified waveform.

Syntax :GONogo: {CHANnel<x>|MATH<x>}:<Parameter>:
MODE {DONTcare|IN|OUT}

:GONogo: {CHANnel<x>|MATH<x>}:<Parameter>:
MODE?

<x> (CHANnel)=1 to 16

<x> (MATH)=1 to 8

<Parameter>={AMPLitude|AVERage|FALL|
FDElay|FREQuency|HIGH|LOW|MAXimum|MINimum|
NDUTycycle|NOVershoot|NWIDth|PDUTycycle|PERiod|
PNUMBER|POVershoot|PTOPeak|PWIDth|RDElay|
RISE|RMS|SDEVIatiON|TY1Integ|TY2Integ|
XY1Integ|XY2Integ}

Example (An example for the average value of CH1 is given below.)

:GONOGO:CHANNEL1:AVERAGE:MODE OUT
:GONOGO:CHANNEL1:AVERAGE:MODE?→:GONOGO:
CHANNEL1:AVERAGE:MODE OUT

:GONogo:{CHANnel<x>|MATH<x>}:<Parameter>:VALue?

Function Sets/queries the measured value of the parameter of the specified waveform.

Syntax :GONogo:{CHANnel<x>|MATH<x>}:<Parameter>:VALue?
<x> (CHANnel)=1 to 16
<x> (MATH)=1 to 8
<Parameter>={AMPLitudeAVERage|FALL|FDElay|FREQuency|HIGH|LOW|MAXimum|MINimum|NDUTycycle|NOVershoot|NWIDth|PDUTycycle|PERiod|PNUmber|POVershoot|PTOPeak|PWIDth|RDElay|RISE|RMS|SDEVIatiON|ITY1|Integ|TY2|Integ|XY1|Integ|XY2|Integ}

Example (An example for the average value of CH1 is given below.)
:GONOGO:CHANNEL1:AVERAGE:VALUE?→2.052E-03

Description If the parameter is disabled (MEASure: {CHANnel<x>|MATH<x>}:<Parameter>:STATE OFF), "NAN (Not a Number)" will be returned.

:GONogo:CLEar

Function Cancels the measurement of all waveform parameters.

Syntax :GONogo:CLEar [{<NRf>}]

Example :GONOGO:CLEAR

Description The <NRf> argument is meaningless (dummy argument) and can be omitted.

:GONogo:COUNT?

Function Queries the number of determinations.

Syntax :GONogo:COUNT?

Example :GONOGO:COUNT?→10

:GONogo:FAILure?

Function Queries the number of times the condition has not been met.

Syntax :GONogo:FAILure?

Example :GONOGO:FAILURE?→2

:GONogo:LOGic

Function Sets/queries the AND/OR logic for the parameters.

Syntax :GONogo:LOGic {AND|OR}
:GONogo:LOGic?

Example :GONOGO:LOGIC AND
:GONOGO:LOGIC?→:GONOGO:LOGIC AND

:GONogo:MODE

Function Sets/queries the type of GO/NO-GO determination.

Syntax :GONogo:MODE {OFF|PARams|ZONE}
:GONogo:MODE?

Example :GONOGO:MODE PARAMS
:GONOGO:MODE?→:GONOGO:MODE PARAMS

:GONogo:REMStart

Function Sets/queries whether or not to use the Remote Start function (ON/OFF).

Syntax :GONogo:REMStart {<Boolean>}
:GONogo:REMStart?

Example :GONOGO:REMSTART ON
:GONogo:REMSTART?
→:GONogo:REMSTART 1

:GONogo:SEQuence

Function Sets/queries the number of times the operation is to be performed.

Syntax :GONogo:SEQuence {CONTInuous|SINGle}
:GONogo:SEQuence?

Example :GONOGO:SEQUENCE CONTINUOUS
:GONOGO:SEQUENCE?→:GONOGO:SEQUENCE CONTINUOUS

:GONogo:SUCCEss?

Function Queries the number of times the condition has been met.

Syntax :GONogo:SUCCEss?

Example :GONOGO:SUCCESS?→8

:GONogo:ZONE?

Function Queries all settings related to the GO/NO-GO zone determination.

Syntax :GONogo:ZONE?

Example :GONOGO:ZONE?→:GONOGO:ZONE:CHANNEL1:MODE DONTCARE;NUMBER 1;:GONOGO:ZONE:CHANNEL2:MODE OUT;NUMBER 1;:GONOGO:ZONE:CHANNEL3:MODE IN;NUMBER 1;:GONOGO:ZONE:CHANNEL4:MODE DONTCARE;NUMBER 1;:GONOGO:ZONE:CHANNEL5:MODE DONTCARE;NUMBER 1;:GONOGO:ZONE:CHANNEL6:MODE DONTCARE;NUMBER 1;:GONOGO:ZONE:CHANNEL7:MODE DONTCARE;NUMBER 1;:GONOGO:ZONE:CHANNEL8:MODE DONTCARE;NUMBER 1;:GONOGO:ZONE:CHANNEL9:MODE DONTCARE;NUMBER 1;:GONOGO:ZONE:CHANNEL10:MODE DONTCARE;NUMBER 1;:GONOGO:ZONE:CHANNEL11:MODE DONTCARE;NUMBER 1;:GONOGO:ZONE:CHANNEL12:MODE DONTCARE;NUMBER 1;:GONOGO:ZONE:CHANNEL13:MODE DONTCARE;NUMBER 1;:GONOGO:ZONE:CHANNEL14:MODE DONTCARE;NUMBER 1;:GONOGO:ZONE:CHANNEL15:MODE DONTCARE;NUMBER 1;:GONOGO:ZONE:CHANNEL16:MODE DONTCARE;NUMBER 1;:GONOGO:ZONE:MATH1:MODE DONTCARE;NUMBER 1;:GONOGO:ZONE:MATH2:MODE DONTCARE;NUMBER 1;:GONOGO:ZONE:MATH3:MODE DONTCARE;NUMBER 1;:GONOGO:ZONE:MATH4:MODE DONTCARE;NUMBER 1;:GONOGO:ZONE:MATH5:MODE DONTCARE;NUMBER 1;:GONOGO:ZONE:MATH6:MODE DONTCARE;NUMBER 1;:GONOGO:ZONE:MATH7:MODE DONTCARE;NUMBER 1;:GONOGO:ZONE:MATH8:MODE DONTCARE;NUMBER 1

:GONogo:ZONE:{CHANnel<x>|MATH<x>}?

Function Queries all settings related to the specified waveform.

Syntax :GONogo:ZONE:{CHANnel<x>|MATH<x>}?
<x> (CHANnel)=1 to 16
<x> (MATH)=1 to 8

Example :GONOGO:ZONE:CHANNEL1?→:GONOGO:ZONE:
CHANNEL1:MODE DONTCARE;NUMBER 1

:GONogo:ZONE:{CHANnel<x>|MATH<x>}:CAUSE?

Function Queries whether or not the waveform is the cause of the failure.

Syntax :GONogo:ZONE:{CHANnel<x>|MATH<x>}:CAUSE?
<x> (CHANnel)=1 to 16
<x> (MATH)=1 to 8

Example :GONOGO:ZONE:CHANNEL1:CAUSE?→0

Description "1" will be returned if the waveform is the cause of the failure, or "0" will be returned if it is not.

:GONogo:ZONE:{CHANnel<x>|MATH<x>}:MODE**MODE**

Function Sets/queries the conditions for the zones of the specified waveform.

Syntax :GONogo:ZONE:{CHANnel<x>|MATH<x>}:
MODE {OUT|IN|DONTcare}
:GONogo:ZONE:{CHANnel<x>|MATH<x>}:MODE?
<x> (CHANnel)=1 to 16
<x> (MATH)=1 to 8

Example :GONOGO:ZONE:CHANNEL1:MODE OUT
:GONOGO:ZONE:CHANNEL1:MODE?→:GONOGO:ZONE:
CHANNEL1:MODE OUT

:GONogo:ZONE:{CHANnel<x>|MATH<x>}:NUMBER

Function Sets/queries the zone number that is to be applied to the specified waveform.

Syntax :GONogo:ZONE:{CHANnel<x>|MATH<x>}:
NUMBER {<Nrf>}
:GONogo:ZONE:{CHANnel<x>|MATH<x>}:NUMBER?
<x> (CHANnel)=1 to 16
<x> (MATH)=1 to 8
<Nrf>=1 to 4

Example :GONOGO:ZONE:CHANNEL1:NUMBER 1
:GONOGO:ZONE:CHANNEL1:NUMBER?Æ:GONOGO:
ZONE:CHANNEL1:NUMBER 1

:GONogo:ZONE:ZONE<x>:DATA

Function Sets/queries the specified zone data.

Syntax :GONogo:ZONE:ZONE<x>:DATA #6002004(Data
byte string)
:GONogo:ZONE:ZONE<x>:DATA?
<x>=1 to 4

Example :GONOGO:ZONE:ZONE1:DATA #6002004(Data byte
string)
:GONOGO:ZONE:ZONE1:DATA?→:GONOGO:ZONE:
ZONE1:DATA #6002004(Data byte string)

Description The (Data byte string) consists of zone data of length 2004 bytes. This data string may contain ASCII codes "0AH" or "00H" that stand for "NL." Hence, care must be taken when programming the controller. After transmitting the zone data to the DL716 using this command, issue the ":GONogo:ZONE:{CHANnel<x>|MATH<x>}:MODE" command to assign the zone to the waveform.