

SCPI COMMANDS

Client Server Socket (Test PC National Instruments Teststand)

LED

LED:<name>:FREQUENCY?

Returns the value (frequency) of the selected LED.

Parameters:

<name>	Any existing name of LED.
--------	---------------------------

Example

LED:<LED 0>FREQUENCY?

- Returns the value of Frequency LED 0:
- for example: " x.x Hz"

Return Type

floating point

Are numbers that contain floating decimal points.

LED:<name>:COLOR?

Returns the value (RGB) of the selected LED.

Parameters:

<name>	Any existing name of LED.
--------	---------------------------

Example

LED:<LED 0>COLOR?

- Returns the RGB value between 0 - 255 of selected LED 0:
- for example:" R:0 , G: 0, B: 255"

Return Type

integer

Is a whole number (not a fraction) that can be positive, negative, or zero.

LED:<name>:ONOFF?

Returns the value status (ON /OFF) of the selected LED.

Parameters:

<name>	Any existing name of LED.
Example	LED:<0>ONOFF? <ul style="list-style-type: none">• Returns the status of LED 0:• for example: "ON" or "OFF"
Return Type	string Is comprised of a set of characters that can also contain spaces and numbers.

LED:NUMBOF?

Returns the total number of LED's.

Parameters:

Parameter	None
Example	LED:NUMBOF? <ul style="list-style-type: none">• for example : "x LED's".
Return Type	integer Is a whole number (not a fraction) that can be positive, negative, or zero.

LED:LIST?

Returns a list of selected LED's separated by commas.

Parameters:

Parameter	None
Example	LED:LIST? <ul style="list-style-type: none">• for example : "LED 0, LED 1 , LED 2"
Return Type	string Is comprised of a set of characters that can also contain spaces and numbers

IMAGE

IMAGE:STORE:INT:<filename>

Save image in jpeg- format to internal memory.

Parameters:

<filename>	Select a folder path to save the image.
Example	IMAGE:STORE:INT 'c:\users\doc\image.jpg' <ul style="list-style-type: none">• Store the image in: c:\users\doc\image.jpg'
Return Type	string Is comprised of a set of characters that can also contain spaces and numbers

IMAGE:STORE:EXT:<filename>

Save image in jpeg- format to external memory.

Parameters:

<filename>	Select a folder path to save the image.
Example	IMAGE:STORE:EXT 'f:\users\doc\image.jpg' <ul style="list-style-type: none">• Store the image in: 'f:\users\doc\image.jpg'
Return Type	string Is comprised of a set of characters that can also contain spaces and numbers

IMAGE:STATUS:FPS?

Returns the value of FPS (frame per second).

Parameters:

Parameter	None
Example	LED:STATUS:FPS? <ul style="list-style-type: none">• for example : “ xfps”
Return Type	string Is comprised of a set of characters that can also contain spaces and numbers.

IMAGE:STATUS:DETECT?

Shows the status (YES/NO) of the detected object.

Parameters:

Parameter	None
Example	IMAGE:STATUS:DETECT? <ul style="list-style-type: none">• for example : “YES” or “NO”
Return Type	string Is comprised of a set of characters that can also contain spaces and numbers

CONFIG:STORE:INT: <filename>

Save configuration to internal memory.

Parameters:

<filename>	Select a folder path to save the image.
Example	CONFIG:STORE:INT 'c:\users\doc\config.' <ul style="list-style-type: none">• store configuration in: 'c:\users\doc\config.'
Return Type	string Is comprised of a set of characters that can also contain spaces and numbers

CONFIG:STORE:EXT: <filename>

Save configuration to external memory.

Parameters:

<filename>	Select a folder path to save the image.
Example	CONFIG:STORE:EXT 'f:\users\doc\config.' <ul style="list-style-type: none">• store configuration in: 'f:\users\doc\config.'
Return Type	string Is comprised of a set of characters that can also contain spaces and numbers

CONFIG:READ:INT <filename>

Read configuration from internal memory.

Parameters:

<filename>	Select a folder path to read the configuration.
Example	CONFIG:READ:INT 'c:\users\doc\config' <ul style="list-style-type: none">• read configuration from: 'c:\users\doc\config'
Return Type	string Is comprised of a set of characters that can also contain spaces and numbers

CONFIG:READ:EXT <filename>

Read configuration from external memory.

Parameters:

<filename>	Select a folder path to read the configuration.
Example	CONFIG:READ:EXT 'f:\users\doc\config' <ul style="list-style-type: none">• read configuration from: 'f:\users\doc\config'
Return Type	string Is comprised of a set of characters that can also contain spaces and numbers

UNIVERSAL COMMANDS

*IDN?

Identification Query (= his command returns the information in <string> format separated by commas:
The string is of the form "Project",<macadress >,<software revision>")

Parameters:

Parameter	None
Example	*IDN? <ul style="list-style-type: none">• "Project, 12-34-56-78-9A-BC,1.0"
Return Type	string Is comprised of a set of characters that can also contain spaces and numbers

*RCL ? <filename>

Recall Coammand (= The recall command recalls a configuration from a saved file that contains channel settings, configuration settings, and external instrument information.)

Parameters:

<index>	Select a folder path to saved configuration file.
Example	*RCL <'f:\users\doc\file.py'> <ul style="list-style-type: none">• Recalls a configuration from a saved file.
Return Type	string Is comprised of a set of characters that can also contain spaces and numbers

*TEST?

Test (=The Self-Test query initiates the internal self-test)

Parameters:

Parameter	None
Example	*TEST? <ul style="list-style-type: none">• for example : 0 shows all test passed 1 shows one or more test failed
Return Type	boolean Is a subset of algebra used for creating true/false statements

***RST?**

Reset Command (= This command restores parameters in the current application as well as system settings to their factory default values)

Parameters:

Parameter	None
-----------	------

Example

***TEST?**

- for example : 0 shows all test passed
1 shows one or more test failed

Return Type

boolean

Is a subset of algebra used for creating true/false statements
