DS Instruments - SG6000L & SG12000L - SCPI Command List - (v2.1 Sept 2022)

Command	Example 1	Example 2	Description
*IDN?			Return the SCPI identification string
*PING?			returns "PONG!" if device is responding
SYST:ERR?			Returns any pending error codes
SYST:DBG?			Returns last debug status message
*REV?			Return the hardware revision number
*CLS			Clears any error codes
*RST			Reset unit now
*DISPLAY	*DISPLAY OFF	*DISPLAY ON	Power on of off the display
*BUZZER	*BUZZER ON	*BUZZER OFF	Mute the buzzer
*SLEEP	*SLEEP ON	*SLEEP OFF	Save power by putting device into sleep mode
*LAN	*LAN ON	*LAN OFF	Enable or disable the network subsystem
*SAVESTATE			Save frequency & attenuation as boot defaults
*CLEANSTATE			Clear all settings back to factory defaults
*UNITNAME	*UNITNAME Bob	*UNITNAME DEV-34	Set a unique name in flash memory
*UNITNAME?			Return this device's name
*SYSVOLTS?			Return USB voltage input reading
TASKPRI	TASKPRI 0	TASKPRI 2	Disable background tasks for sweeping consistency
FREQ:CW	FREQ:CW 400MHZ	FREQ:CW 3.33GHZ	Set output Frequency
FREQ:CW?			Return current Frequency
FREQ:MIN?			Return minimum supported Freq in Hz
FREQ:MAX?			Return max supported frequency in HZ
OUTP:STAT	OUTP:STAT ON	OUTP:STAT OFF	Turn on or off the RF output
OUTP:STAT?			Return if output is enabled
POWER	POWER 9	POWER -12.5	Set output power in **dBm**
POWER?			Return current output power
POWER:MIN?			Return the minimum power level in dBm
POWER:MAX?			Return the max power level in dBm
VERNIER	VERNIER 3	VERNIER -22	Fine tune the output power (no units)
VERNIER?			Return vernier setting
*INTREF?			Is the internal reference enabled?
*EXTREF?			Is an external reference signal detected?
*INTERNALREF 1			Set reference to internal
*INTERNALREF 0			Set reference to external MCX input jack
*INTERNALREF A			AutoDetect reference source at power-on
*REFMODE?			Return the current reference setting
*REFUPDATE			Re-initiate the reference frequency system

COM Settings: **115200**bps, 8bits, 1 stop, no parity, no flow control - Command terminator = linefeed