

## DS Instruments - Tracking Generator SCPI Command List (REV 8+)

Command	Example 1	Example 2	Description
FREQ:CW	FREQ:CW 400MHZ	FREQ:CW 3.33GHZ	Set output Frequency
FREQ:CW?			Return output frequency - MHZ
OUTP:STAT	OUTP:STAT ON	OUTP:STAT OFF	Turn on or off the RF output
OUTP:STAT?			Return output status
VERNIER	VERNIER 35	VERNIER -120	Set the AUX power output level (-300 to +300)
VERNIER?			Return the power output level
BAND	BAND 1	BAND 2	Change TG band
BAND?			Return the frequency band number
*IDN?			Return the SCPI identification string
*PING?			returns "PONG!" if device is responding
SYST:ERR?			Return any pending errors
SYST:DBG?			Return the next status message
*CLS			Clear errors and events
*RST			Reset unit now
*INTREF?			Is the internal reference enabled?
*EXTREF?			Is an external reference signal detected?
*INTERNALREF 1			Set reference to internal TCXO
*INTERNALREF 0			Set 10MHz reference to external MCX jack
*INTERNALREF A			Autodetect reference at power-on
*SYSVOLTS?			Return internal USB voltage
*UNITNAME	*UNITNAME Bob	*UNITNAME DEV-34	Set a unique name in flash memory
*UNITNAME?			Return this device's name
*BUZZER	*BUZZER ON	*BUZZER OFF	Mute the buzzer
*SAVESTATE			Save default settings to memory
FREQ:START	FREQ:START 1GHZ	FREQ:START 99MHZ	Sweep start frequency
LIST:DIR	LIST:DIR UP	LIST:DIR DOWN	Sweep direction
FREQ:STOP	FREQ:STOP 2GHZ	FREQ:STOP 999MHZ	Sweep stop frequency
SWE:POINTS	SWE:POINTS 10	SWE:POINTS 900	Sweep point count
SWE:DWELL	SWE:DWELL 25	SWE:DWELL 1000	Sweep dwell time in milliseconds
INIT:IMM			Start the sweep now
INIT:CONT	INIT:CONT 0	INIT:CONT 1	Sweep continuous mode or single
ABORT			Stop the sweep now
SWE:ACTIVE?			Is the device sweeping now

Command terminator is LINEFEED ("\n") - COM BAUD: 115200

**TG12000 - Version 4.0 - June 2021**