



DS INSTRUMENTS
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Signal Generator SCPI Sweeping Command List V3.0

Command	Example 1	Example 2	Description
SWE:MODE SCAN			Enters sweep mode & arms external sweep trigger
SWE:MODE LIST			Enters list mode & arms external trigger
SWE:MODE?			Returns the current sweeping mode
SWE:POINTS	SWE:POINTS 10	SWE:POINTS 900	Sets sweep point count
SWE:POINTS?			Returns the current point count
SWE:DWELL	SWE:DWELL 25	SWE:DWELL 1000	Sweep dwell time in milliseconds
SWE:DWELL?			Returns the current dwell time
SWE:RESET			Return to start of list, does not clear memory
SWE:ACTIVE?			Is the device sweeping now
FREQ:START	FREQ:START 1GHZ	FREQ:START 99MHZ	Save the sweep start frequency
FREQ:START?			Returns the start frequency
FREQ:STOP	FREQ:STOP 2GHZ	FREQ:STOP 999MHZ	Save the sweep stop frequency
FREQ:STOP?			Returns the stop frequency
LIST:DIR	LIST:DIR UP	LIST:DIR DOWN	Sweep direction
LIST:DIR?			Returns UP or DOWN
LIST:SIZE?			Returns the current size of the sweeping list
LIST:CLEAR			
LIST:ADD	LIST:ADD 2GHz	LIST:ADD 450MHz	Add a single point to the end of the sweeping list
LIST:MAX?			Returns the MAX frequency list length
LIST?			Prints the entire frequency list
INIT:CONT	INIT:CONT 0	INIT:CONT 1	Sweep continuous mode or single
INIT:IMM			Trigger the sweep now
ABORT			Stop the sweep now
TRIG:STEP			Mode where trigger command only advances 1 step
TRIG:SWEEP			Trigger command will execute entire sweep (default)

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