



Sunol Sciences Corporation

GPIB Commands for the SC99V System Controller

COMMAND	MEANING
CP nnn	sets the current position to nnn
CP	queries current position
DEVT n	sets the <i>Device</i> type; 0 (ant), 1 (PTT), or 2 (MT)
DEVT	queries the <i>Device</i> type
DN or CC	starts motion in negative direction
UP or CW	starts motion in positive direction
GOTO nnn	moves the <i>Device</i> to nnn position
LL nnn	sets the <i>Device</i> lower limit to nnn
CL nnn	similar to the above
LL	queries the <i>Device</i> lower limit
CL	similar to the above
OXA n	sets auxiliary channel 1 ON/OFF , 1/0 n: 1,0
OXB n	sets auxiliary channel 2 ON/OFF , 1/0 n: 1,0
OXA	queries the status of auxiliary 1; it returns 1 (on) or 0 (off)
OXB	queries the status of auxiliary 2; it returns 1 (on) or 0 (off)
P?	queries antenna polarization. Reply 0 (vertical) or 1(horizontal)
PH	rotates the antenna to horizontal position
PV	rotates the antenna to vertical position
RESET	cleans any command in the buffer
SUL nnn	sets the upper limit of scanning to nnn
SLL nnn	sets the lower limit of scanning to nnn
	SUL and SLL have to be within the <i>soft limits</i> exclusively
SCY n *	sets the number of cycle(s) to n. One cycle n= 2; ½ cycle n =1
SCY	queries the number of cycle(s)

SCAN	scans n cycle(s) between SUL and SLL limits
SP n	sets the motion speed n rpm
SP	queries the motion speed
ST	stops motion
UL nnn	sets the <i>Device</i> upper limit to nnn
WL nnn	similar to the above
UL	queries <i>Device</i> upper limit
COMMAND	MEANING
HL **	Queries horizontal lower limit
HL <NRf> **	sets horizontal lower limit to NRF
VL **	Queries vertical polarization lower limit
VU <NRf> **	sets vertical polarization upper limit
*TST **	queries a self-test
FUNC **	multi use command as explained in section 5.3

** Commands that are not supported by firmware versions earlier than "SC99VMT12".

* SCY n. For earlier versions, one cycle is n = 1; for new versions, one cycle is n= 2 and ½ cycle is n = 1.