

Specification Comparison Matrix

Specification	Model 1270VS Rate Table	Model 1281 Positioning and Rate Table
Motor	Gear-driven	Direct drive brushless motor
Rate Maximum	360 deg/sec std (500 deg/sec optional)	1,000 deg/sec
Rate Resolution	1 deg/sec or 1 deg/min	0.001 deg/sec
Rate Accuracy	0.1% of commanded rate \pm Resolution	0.01% of commanded rate \pm Resolution
Position Accuracy	no positioning	\pm 50 arc-sec
Position Resolution	no positioning	0.0014 deg
Acceleration (no load)	500 deg/sec ²	10,000 deg/sec/sec
Bandwith (no load)	no SIN capability	-3dB: 20 Hz
Load Capacity	50 lbs (22.68 Kg)	Vertical Orientation: 50 lbs (22.68 Kg) Horizontal Orientation: 25 lbs (11.3 Kg) CG < 3 inches
Slip Rings (standard package)	16 lines, 2 Amps each std. (22, 28, and 66 lines optional)	34 lines, 2 Amps each
Method(s) of control	front panel controls (LCD screen) or via a host PC	Host PC (via software commands or LabVIEW interface)
Communication Interface	RS-232 standard IEEE-488 optional	RS-232 and Ethernet Control Interface
Encoder:	500 counts per rev	1,048,576 counts per rev
Acceleration control:	standard (via Host PC)	Standard (via Host PC)
Analog input:	not available	not available
Analog output:	not available	not available
CE Listed:	No	Yes
Other:	Vacuum line (standard)	Not available



1270VS



1281 with host PC