

POSITIONER



The DVTEST positioners are two-axis azimuth over elevation positioners for precise angular positioning with full spherical coverage. Designed for antenna and RF device characterization, they are built out of low-permittivity materials, with additional RF absorbing material for minimal multipath and improved measurement accuracy. The motors have controller and encoder built-in for accuracy and repeatability. This system is highly configurable with options for RF rotary joints, data communications, E-stops, and custom sizing.



Specifications for Standard DVTEST Positioners

Model	Light Duty Positioner	Medium Duty Positioner
Part Number:	099198	099199
Number of Axes:	2	2
Axis Type:	Elevation over Azimuth	Elevation over Azimuth
DUT Size: W x D x H	8" [230mm] x 5" [127mm] x 4.75" [121mm]	16" [406mm] x 12" [305mm] x 8" [203mm]
Max DUT Weight:	5 lbs. [2.3 kg]	15 lbs. [4.5 kg]
Resolution	0.088°	0.088°
Accuracy:	0.25°	0.25°
Motor Encoder:	Absolute	Absolute
Rotation Range:	+/-180° Can be extended for continuous.	+/-180° Can be extended for continuous.
Max Angular Speed:	276°/s	318°/s
Dimensions: W x D x H	11.25" [286mm] x 11.25" [286mm] x 11" [279mm]	20" [508mm] x 20" [508mm] x 16" [406mm]
Communication:	USB	USB
Software Interface:	DVTEST API (Standalone) Compatible with ETS EMQuest Development Libraries Available	DVTEST API (Standalone) Compatible with ETS EMQuest Development Libraries Available
Material:	G10 Composite Absorber	G10 Composite Absorber
Slip Ring Compatibility:	RF and Data	RF and Data
Additional Feature:	Laser Guide Aligner	Laser Guide Aligner
Safety Feature:	E-Stop	E-Stop

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