

ANSxyz50/LT/UHV xyz-Scanner made from Titanium

1007602

Technical Specifications

Size and Dimensions	
footprint; height	15 mm x 15 mm; 13 mm
maximum installation space	15 mm x 15 mm; 13 mm
weight	11.5 g
Materials	
positioner body	titanium
actuator	PZT ceramics
connecting wires	insulated twisted pair, copper
Coarse Positioning Mode	
input voltage range	0 - 60 V
Fine Positioning Mode	
fine linear positioning range @ 300 K	30 x 30 x 4.3 μm
fine linear positioning range @ 4 K	15 x 15 x 2 μm
fine positioning resolution	sub-nm
typical actuator capacitance fine (z) @ 4 K	0.35 μF
typical actuator capacitance fine (z) @ 300 K	2.5 μF
typical actuator capacitance fine @ 300 K	1.4 μF
typical actuator capacitance fine @ 4 K	0.2 μF
input DC voltage range @ 300 K	0 - 60 V
input DC voltage range @ 4 K	0 - 150 V
*	scan range depends on environment
Load (@ ambient conditions)	
maximum load	50 g
General Specifications	
environment	/LT/UHV

