

ANSxyz50/RT xyz-Scanner made from Titanium

1007598

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
height	13 mm
cable	30 cm cable with connector
Materials	
positioner body	titanium
actuator	PZT ceramics
connecting wires	insulated twisted pair, copper
Fine Positioning Mode	
fine linear positioning range @ 4 K	15 x 15 x 2 μm
fine positioning range @ 300 K	30 x 30 x 4.3 μm^3
fine positioning resolution	sub-nm
typical actuator capacitance fine (z) @ 300 K	2.5 μF
typical actuator capacitance fine @ 300 K	1.4 μF
input DC voltage range @ 300 K	0 - 60 V
*	scan range depends on environment
Load (@ ambient conditions)	
maximum load	100 g
General Specifications	
environment	/RT

