

ANSz100lr/UHV z-Scanner made from Titanium

1005229

Technical Specifications

Size and Dimensions	
footprint; height	24 mm x 24 mm; 12 mm
maximum installation space	24 mm x 24 mm; 12 mm
weight	19 g
height	12 mm
Materials	
positioner body	titanium
actuator	PZT ceramics
connecting wires	insulated twisted pair, copper
Coarse Positioning Mode	
typical actuator capacitance @ 300 K [μ F]	5.55
Fine Positioning Mode	
fine linear positioning range @ 300 K	50 μ m
fine linear positioning range @ 4 K	30 μ m
fine positioning resolution	sub-nm
typical actuator capacitance fine @ 300 K	5.55 μ F
input DC voltage range @ 300 K	0 - 60 V
*	scan range depends on environment
Load (@ ambient conditions)	
maximum load	100 g
General Specifications	
environment	/UHV

