

ANSxy100std/LT/UHV xy-Scanner made from Titanium

1005220

Technical Specifications

Size and Dimensions	
footprint; height	24 mm x 24 mm; 10 mm
maximum installation space	24 mm x 24 mm; 10 mm
weight	18 g
Materials	
positioner body	titanium
actuator	PZT ceramics
connecting wires	insulated twisted pair, copper
Coarse Positioning Mode	
input voltage range	0 - 120 V
Fine Positioning Mode	
fine linear positioning range @ 300 K	40 x 40 μ m
fine linear positioning range @ 4 K	9 x 9 μ m
fine positioning resolution	sub-nm
typical actuator capacitance fine @ 300 K	0.6 μ F
typical actuator capacitance fine @ 4 K	0.1 μ F
input DC voltage range @ 300 K	0 - 120 V
input DC voltage range @ 4 K	0 - 150 V
*	scan range depends on environment
Load (@ ambient conditions)	
maximum load	100 g
General Specifications	
environment	/LT/UHV

