

# ANSz100lr/LT/UHV z-Scanner made from Titanium

1005232

## Technical Specifications

<b>Size and Dimensions</b>	
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
<b>Materials</b>	
positioner body	titanium
actuator	PZT ceramics
connecting wires	insulated twisted pair, copper
<b>Fine Positioning Mode</b>	
fine linear positioning range @ 300 K	50 $\mu$ m
fine linear positioning range @ 4 K	30 $\mu$ m
fine positioning resolution	sub-nm
typical actuator capacitance fine @ 300 K	5.55 $\mu$ F
typical actuator capacitance fine @ 4 K	1.75 $\mu$ F
input DC voltage range @ 300 K	0 - 60 V
input DC voltage range @ 4 K	0 - 150 V
*	scan range depends on environment
<b>Load (@ ambient conditions)</b>	
maximum load	100 g
<b>General Specifications</b>	
environment	/LT/UHV

