

# ANPz30/UHV z-positioner made from Titanium

1000013

## Technical Specifications

<b>Size and Dimensions</b>	
footprint; height	11 mm diameter; 12 mm
maximum installation space	11 mm diameter; 14.5 mm
weight	3.8 g
height	12 mm
<b>Materials</b>	
positioner body	beryllium copper & titanium
actuator	PZT ceramics
connecting wires	insulated twisted pair, copper
<b>Coarse Positioning Mode</b>	
travel range (step mode)	2.5 mm
maximum drive velocity @ 300 K	~ 1 mm/s
input voltage range	0 - 60 V
<b>Fine Positioning Mode</b>	
fine linear positioning range @ 300 K	3.5 $\mu\text{m}$
fine positioning resolution	sub-nm
input DC voltage range @ 300 K	0 - 100 V
<b>Load (@ ambient conditions)</b>	
maximum load	10 g
maximum dynamic force along the axis	0.2 N
<b>General Specifications</b>	
environment	/UHV

