

# ECGp5050/StSt/NUM+/UHV

1011455

## Technical Specifications

<b>Size and Dimensions</b>	
footprint; height	50 mm x 50 mm; 17 mm
distance center of rotation to bottom	94 mm
maximum installation space	50 mm x 69.8 mm; 19.5 mm
weight (stainless steel version)	247 g
height	17 mm
<b>Materials</b>	
positioner body	stainless steel
actuator	PZT ceramics
connecting wires	copper, jacket: RT: PTFE, HV/UHV: fiberglass
<b>Coarse Positioning Mode</b>	
travel range (step mode)	10 °
maximum drive velocity @ 300 K	3 °/s
input voltage range	0 - 45 V
<b>Fine Positioning Mode</b>	
fine angular positioning range @ 300 K	1.1 m°
fine positioning resolution	μ°
input DC voltage range	0 - 45 V
<b>Position Encoder</b>	
readout mechanism	optoelectronic sensor
encoded travel range	entire travel
sensor resolution	1 μ°
sensor power (when measuring)	50 mW
repeatability	50 μ° (bidirectional)
<b>Load (@ ambient conditions)</b>	
maximum load	on request (application specific evaluation required)
maximum dynamic force along the axis	1 N
maximum dynamic torque around axis	on request (application specific evaluation required)
<b>General Specifications</b>	
environment	ultra-high vacuum

