

# ECGt5050/StSt/NUM+/HV

1011452

## Technical Specifications

<b>Size and Dimensions</b>	
footprint; height	50 mm x 50 mm; 17 mm
distance center of rotation to bottom	77 mm
maximum installation space	50 mm x 67.6 mm; 19.4 mm
weight (stainless steel version)	247 g
<b>Materials</b>	
positioner body	stainless steel
actuator	PZT ceramics
connecting wires	copper, jacket: RT: silicone, HV/UHV: fiberglass
<b>Coarse Positioning Mode</b>	
travel range (step mode)	10 °
maximum drive velocity @ 300 K	3 °/s
input voltage range	0 - 60 V
<b>Fine Positioning Mode</b>	
fine angular positioning range @ 300 K	1.4 m°
fine positioning resolution	μ°
input DC voltage range @ 300 K	0 - 100 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	1 kg
maximum dynamic force along the axis	1 N
maximum dynamic torque around axis	7 Ncm

