

## Product-Specifications

Product	LPS-D90300-001, Piezo Z Stage, 300 µm		
		Unit	Tolerance
Position-Sensor	Strain-Gage, Full-Bridge		
Range, closed loop	300	µm	+/-1%
Range, open loop (-45..+180V)	360	µm	±10%
Resolution, closed loop	3	nm	RMS, typ.
Linearity, closed loop	0.2	%	typ.
Repeatability, Z	30	nm	±, typ.
Resonance, Z, unloaded	450	Hz	±20%
Push/Pull, Z, centered	100/50	N	max.
Stiffness	3	N/µm	±20%
El. Capacitance @ 1Veff 1kHz	13.2	µF	±10%
Dimensions (LxWxH)	150x150x30	mm	
Aperture, Dimensions (LxW)	66x66	mm	
Body/Platform-Material	Aluminum, black		
Operating Temperature	-20..+80	°C	
Connector	DSub15		
Cable length	1.5	m	

### Options:

- Vacuum compatibility, and/or non-magnetic
- Suitable controllers, closed-loop, EBD-120310 or EBD-060310

