

## Product-Specifications

Product	Piezo XY Stages, Long Range, with Aperture			
Product-Number	L2S-D10300	L2S-D10600	Unit	Tolerance
Position-Sensors	Strain-Gage (SGS), Full-Bridge			
Range, closed loop	300	600	μm	
Range, open loop (-45..+180V)	420	720	μm	±20%
Resolution, closed loop	3	6	nm	RMS
Resolution, open loop	1	2	nm	RMS
Linearity, closed loop	0.2		%	typ.
Repeatability, closed loop	30	60	nm	typ.
Stiffness	1	0.5	N/μm	±20%
Resonance, XY, unloaded	210	175	Hz	±20%
Resonance, Rot Z, unloaded	270	215	Hz	±20%
El. Capacitance @ 1V eff 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	DSub25			
Cable length	1.5		mm	

### Options:

- Vacuum compatibility, and/or non-magnetic
- Suitable drivers, open-loop, EBO-050100
- Suitable controller, closed-loop, EBD-120230

