

Product-Specification

Product	SPS Microscopy Z-Stages			
Product-Number	SPS-D00150	SPS-D00600	Unit	Tolerance
Displacement Sensor	Strain-Gage			
Displacement, closed loop	150	600	μm	±10%
Displacement (-45...180 V)	180	720	μm	±10%
Resolution, closed loop	1.5	6	nm	typ.
Linearity, closed loop	0.2%		%	typ.
Repeatability, closed loop	15	60	nm	typ.
Push/Pull	50/20	50/20	N	max.
Resonance, unloaded	380	250	Hz	±20%
Resonance, 125g load	270	180	Hz	±20%
Resonance, 250g load	220	145	Hz	±20%
El. Capacitance @ 1V eff. 1kHz	4.4	13.2	μF	±20%
Electrical Connection	DSub15(m)			
Dimensions, L x W x H	237 x 156 x 15		mm	
Aperture, L x W	142 x 110		mm	
Body-Material	aluminum, black anodized			
Operating Temperature	-20...+80		°C	

Options:

- Suitable driver, open-loop, EBO-060100
- Suitable controller, closed-loop, EBD-060310
- Insert, Sample- and Petri-Dish-Holder

