

Product-Specification

Product	Z-Stages				
	Product-Code	CPO-L00100	CPS-D00100	Unit	Tolerance
Position-Sensor			SGS, Full-Bridge		
Range, Closed Loop	-		100	µm	±10%
Range, Open Loop (0..150 V)			75	µm	±10%
Range, Open Loop (-45..180 V)			120	µm	±10%
Resolution, open loop			0.5	nm	RMS
Resolution, closed loop	-		1	nm	RMS
Linearity, closed loop	-		0.2	%	typ.
Repeatability	-		10	nm	typ.
Push/Pull			15/10	N	max.
Lateral Force			10	N	max.
Stiffness			1.5	N/µm	±20%
Resonance, unloaded			370	Hz	ca.
Resonance, with 100 g load			310	Hz	ca.
Electrical Capacitance @ 1V eff, 1kHz			2.2	µF	±10%
Body-Material			Aluminium, stainless steel		
Wire-Length			1.5	m	+/-1%
Connector	Lemo		DSub15		
Operating Temperature			-20..+80	°C	

Options:

- Vacuum-Compatibility
- Suitable Driver, open-loop, EBO-050100
- Suitable Controller, closed-loop, EBD-060100

