

## Product-Specifications

Product	L3C-D10100 Piezo XYZ Stages, XY 100 µm, Z 20/50/100 µm				
Product-Number, L3C-D10100-..	XY100Z20	XY100Z50	XY100Z100	Unit	Tolerance
Position-Sensors	Capacitive (Cap)				
Ranges, closed loop	100/100/20	100/100/50	100/100/100	µm	
Ranges, open loop (-45..+180V)	140/140/24	140/140/60	140/140/120	µm	±20%
Resolution, closed loop, XY/Z	0.5/0.1	0.5/0.3	0.5	nm	RMS, typ.
Linearity, XY/Z	0.02/0.07			%	typ.
Repeatability, XY/Z	5/2	5/3	5	nm	±, typ.
Resonance, XY, unloaded	1100			Hz	±20%
Resonance, Z, unloaded	1200	760	730	Hz	±20%
El. Capacitance @ 1Veff 1kHz	XY13.2/Z4.4	XY13.2/Z4.4	XY13.2/Z8.8	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			m	

### Options:

- Vacuum compatibility and/or non-magnetic
- Suitable controller, LPC, EBC-120330
- Suitable controller, LPS, EBD-060230

