

## Product-Specification

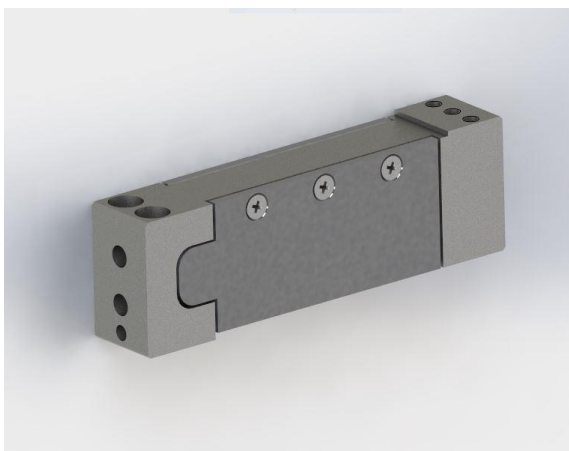
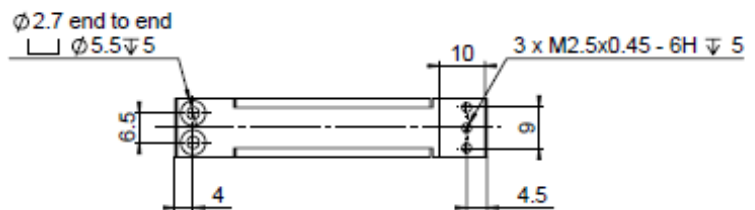
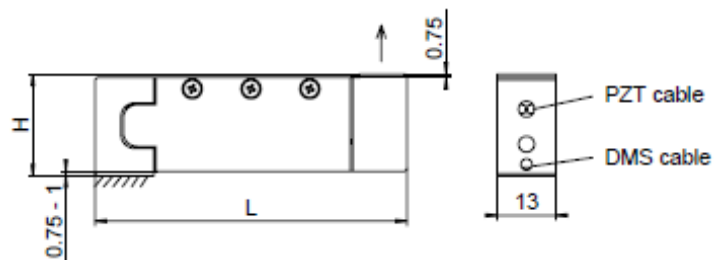
Product	PPa Piezo-Lever					
Product-Number	PPa-b00100	PPa-b00250	PPa-b00500	PPa-b01000	Unit	Tolerance
Displacement (-45..180 V)	130	310	580	1100	µm	±10%
Displacement, closed loop	100	250	500	1000	µm	±10%
Resolution, open loop	0.2	0.3	0.5	1	nm	typ.
Resolution, closed loop	2	6	12	25	nm	typ.
Linearity, closed loop	0.1		0.2		%	typ.
Repeatability	7	10	30	60	nm	typ.
Push/Pull	50/20		30/15		N	max.
Lateral Force	40		30		N	max.
Stiffness	0.85	0.5	0.22	0.11	N/µm	±10%
Resonance, unloaded	850	630	340	210	Hz	±10%
El. Capacitance @ 1V eff, 1kHz	1.1	3.3	4.4	7.7	µF	±10%
Body-Material	stainless-steel					
Length L	45	59	69	99	mm	
Height H	20	20	22.5	22.5	mm	
Weight	55	82	107	145	g	±10%
Operating Temperature	-20..80				°C	

### Product-Name: PPa-b.....

a = O for the open-loop version  
a = S for the version with position-sensor  
b = P for pigtails (wires without socket)  
b = L for Lemosa-socket (open-loop only)  
b = D for DSub-socket, 15 pins (closed-loop)

### Options:

- Vacuum-Compatibility
- Suitable driver, open-loop, EBO 050100
- Suitable controller, closed-loop, EBD-060100



PPO-P00500