

Product-Spezifikation

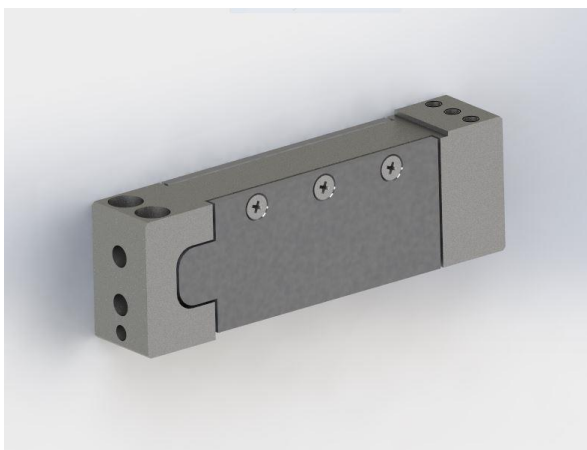
Product	PPa Piezo-Lever						
Product-Number	PPa-b00100	PPa-b00250	PPa-b00500	PPa-b01000			
Properties	Value				Unit	Tolerance	
Displacement (0..150 V)	100	250	500	1.000	µm	±10%	
Displacement (-45..180 V)	160	400	800	1.600	µm	±10%	
Resolution, open loop	0,2	0,3	0,5	1	nm	typ.	
Resolution, closed loop	2	6	12	25	nm	typ.	
Linearity, closed loop	0,1		0,2		%	typ.	
Repeatability	7	10	30	60	nm	typ.	
Push/Pull, maximum	50/20		30/15		N		
Lateral Force, maximum	40		30		N		
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						
Lenght L	45	59	69	99	mm		
Hight H	20	20	22,5	22,5	mm		
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 (option for the open-loop version)
- b = D for DSub-socket, 15 pins (option for the version with sensor)

Options:

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



PPO-P00500

