

Product-Specification

Product	HPS, Piezo-Stack, encapsulated, preloaded with sensor				
Product-Number	HPS-D50050	HPS-D50100	HPS-D50150	Unit	Tolerance
Range, closed loop	50	100	150	μm	±10%
Range, open loop (-45..180 V)	72	143	216	μm	±10%
Resolution, open loop	0.3	0.5	1	nm	RMS
Resolution, closed loop	0.5	1	1.5	nm	RMS
Push/Pull	1400/100			N	max.
Stiffness	25	12	9	N/μm	±10%
Torque, head vs. body	0.4			Nm	max.
Resonance, unloaded	12	9	6	kHz	±10%
El. Capacitance @ 1V RMS, 1 kHz	3.3	6.6	9.9	μF	±10%
Length, over all, L	44	74	104	mm	±0.3
Mass w/o wire	25	40	55	g	± 10%
Material, Body, End-Pieces	stainless steel				
Temperature	-40..+80			°C	
Wire	1.5			m	
Connector	DSub15m				

Options:

- Versions w/o sensors
- Intermediate sizes
- Spherical end-pieces
- Suitable controller, e.g. EBD-060210



 spherical top-piece, hardened
HPB-050001

