



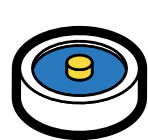
FEATURES

- Ultra fast response
- Low deflection
- Impressive repeatability
- 17-4 PH stainless-steel construction
- Fully welded construction
- Adheres to RoHS directive 2011/65/EU

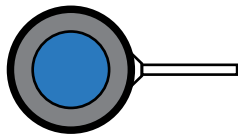
 Non-loading surface, do not contact

 Active End

 Fixed End



Top view



Bottom view



+ Output (compression)

SPECIFICATIONS

PERFORMANCE

Nonlinearity	±0.5% of RO
Hysteresis	±0.5% of RO
Nonrepeatability	±0.1% of RO

ELECTRICAL

Rated Output (RO)	2 mV/V nom
Excitation (VDC or VAC)	7 max
Bridge Resistance	350 Ohm nom
Insulation Resistance	≥500 Mohm @ 50 VDC
Connection	#34 awg 4 conductor braided shielded cable, 5 ft [1.5 m] long

Wiring/Connector Code	WC1
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MECHANICAL

Weight (approximate)	0.32 oz [9 g]
Safe Overload	150% of RO
Deflection	0.0005 in [0.013 mm] nom
Material	17-4 PH stainless-steel
IP Rating	IP64

TEMPERATURE

Operating Temperature	−60 to 200°F (−51 to 93°C)
Compensated Temperature	60 to 160°F (16 to 71°C)
Temperature Shift Zero	±0.01% of RO/°F (±0.018 of RO/°C)
Temperature Shift Span	±0.02% of Load/°F (±0.036 of Load/°C)

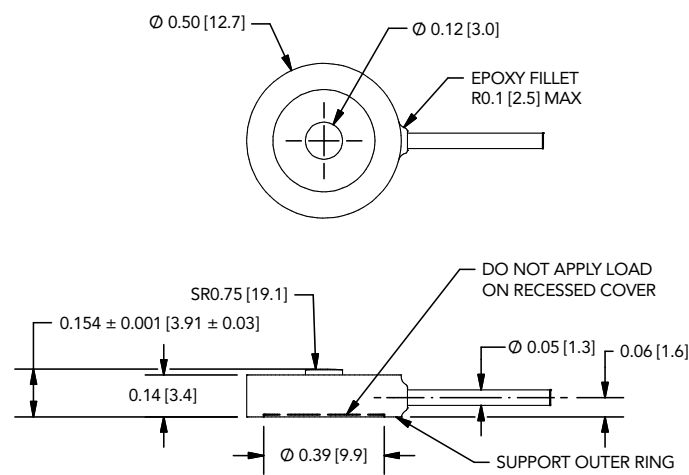
CALIBRATION

Calibration Test Excitation	5 VDC
Calibration (standard)	5-pt Compression
Shunt Calibration Value	60.4 kOhm

CONFORMITY

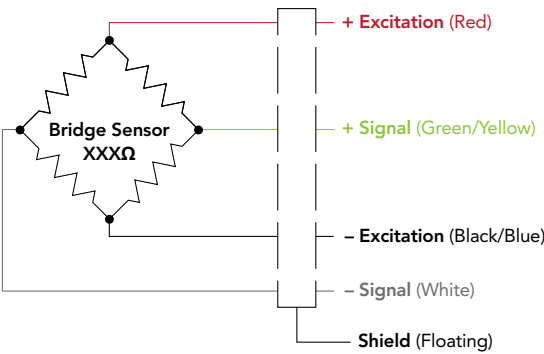
RoHS	2011/65/EU
CE	EN55011:2009; EN61326-1:2006

DIMENSIONS inches [mm]



WIRING CODE (WC1 WITH SHIELD)

RED	+ EXCITATION
BLACK	- EXCITATION
GREEN	+ SIGNAL
WHITE	- SIGNAL
SHIELD	FLOATING



CAPACITIES

ITEM #	lb	N	Natural Frequency (kHz)
FSH03838	100	445	33
FSH03839	250	1112	41.7



Drawing Number: FI1053-I

FUTEK reserves the right to modify its design and specifications without notice. Please visit www.futek.com/salesterms for complete terms and conditions.

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RoHS



U.S. Manufacturer