



FEATURES

- Miniature size
- Fast response and low deflection
- Robust cable strain relief
- For use in both tension and compression

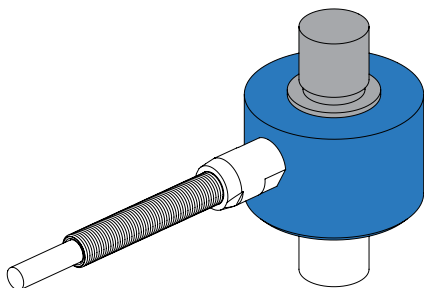
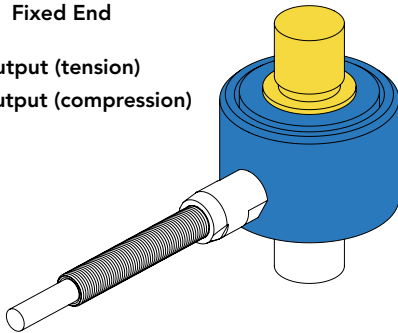
 Non-loading surface, do not contact

 Active End

 Fixed End

+ Output (tension)

- Output (compression)



SPECIFICATIONS

PERFORMANCE

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

ELECTRICAL

Rated Output (RO)	1.3 mV/V (2 klb) 2 mV/V (3 klb)
Excitation (VDC or VAC)	18 max
Bridge Resistance	350 Ohm nom
Insulation Resistance	≥500 MOhm @ 50 VDC
Connection	#28 AWG, 4 conductor, braided shielded PVC cable, 10 ft [3 m] long

Wiring/Connector Code

WC1

MECHANICAL

Weight (approximate)	4 oz [113 g]
Weight (minus cable)	1.8 oz [51 g]
Safe Overload	150% of RO
Deflection	0.001 in [0.05 mm] nom
Material (flexure)	17-4 PH stainless-steel
IP Rating	IP64

TEMPERATURE

Operating Temperature	-45 to 200°F (-42 to 93°C)
Compensated Temperature	60 to 160°F (15 to 72°C)
Temperature Shift Zero	±0.005% of RO/°F (0.01% of RO/°C)
Temperature Shift Span	±0.02% of Load/°F (0.036% of Load/°C)

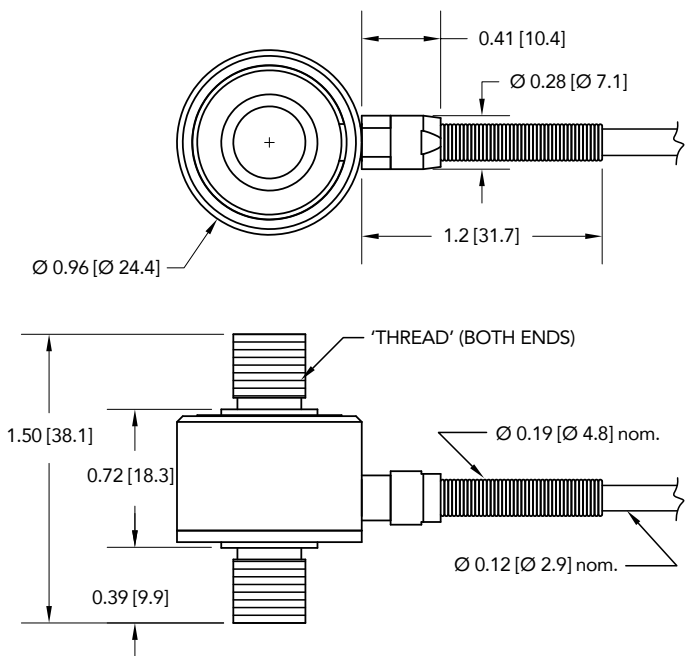
CALIBRATION

Calibration Test Excitation	10 VDC
Calibration (standard)	5-pt Tension
Calibration (available)	Compression
Shunt Calibration Value	100 kOhm (2 klb), 60.4 kOhm (3 klb)

Conformity

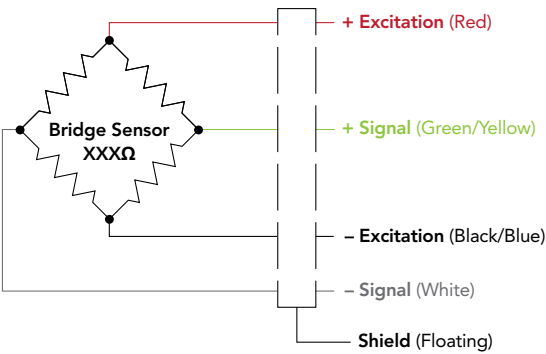
RoHS	2011/65/EU
CE	EN55011:2009; EN61326-1:2006

DIMENSIONS inches [mm]



WIRING CODE (WC1 WITH SHIELD)

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



CAPACITIES

ITEM #	klb	kN	Thread	Natural Frequency (kHz)
FSH04009	2	8.9	3/8-24	18
FSH04008	2	8.9	M10x1.5	18
FSH04006	3	13.3	3/8-24	18
FSH04007	3	13.3	M10x1.5	18



Drawing Number: FI1399-B
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