



FEATURES

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

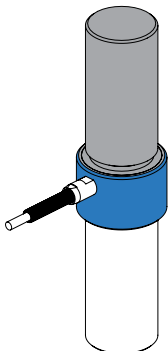
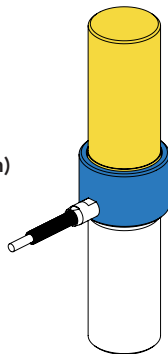
Non-loading surface, do not contact

Active End

Fixed End

+ Output (tension)

- Output (compression)



SPECIFICATIONS

PERFORMANCE

Nonlinearity	±0.2% of RO
Hysteresis	±0.2% of RO
Nonrepeatability	±0.1% of RO

ELECTRICAL

Rated Output (RO)	2 mV/V nom
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
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MECHANICAL

Weight (approximate)	18 oz [510 g]
Safe Overload	150% of RO
Deflection	0.004 in. [0.102 mm] nom
Material (flexure)	17-4 PH stainless-steel
IP Rating	IP64

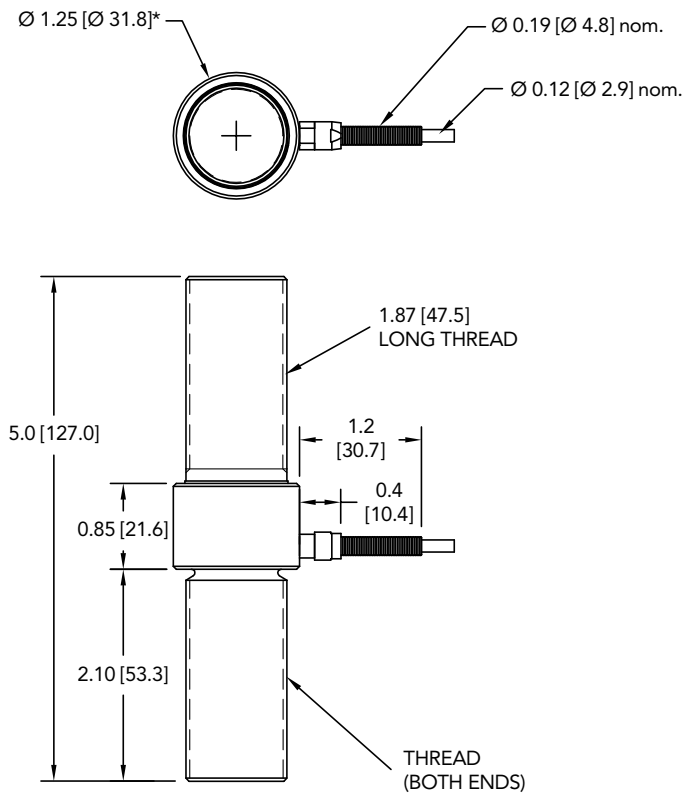
TEMPERATURE

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	±0.005% of Load/°F (0.01% of Load/°C)

CALIBRATION

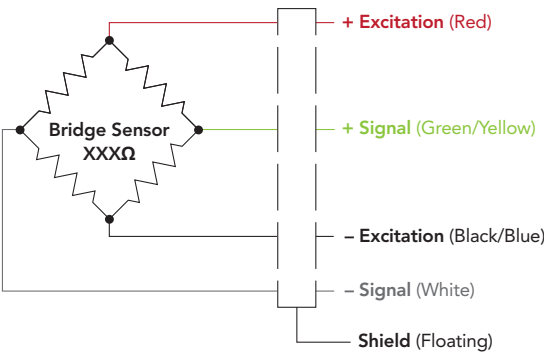
Calibration Test Excitation	10 VDC
Calibration (standard)	5-pt Tension
Calibration (available)	Compression
Shunt Calibration Value	60.4 kOhm

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)
FSH00839	20	88.9	1-14	9.9
FSH00844	20	88.9	M24x3	9.9



Drawing Number: FI1095-H

FUTEK reserves the right to modify its design and specifications without notice.
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