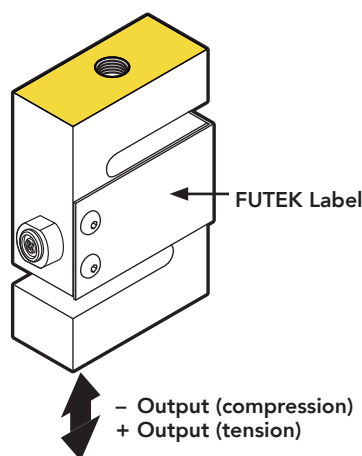




FEATURES

- Available in both 17-4 Stainless Steel or Anodized Aluminum
- Metric Threads Available
- For in line use in Tension & Compression
- Utilizes Metal Foil Strain Gauge Technology

Mounting end



SPECIFICATIONS

PERFORMANCE

Nonlinearity	$\pm 0.1\%$ of RO
Hysteresis	$\pm 0.05\%$ of RO
Nonrepeatability	$\pm 0.05\%$ of RO

ELECTRICAL

Rated Output (RO)	2 mV/V nom
Excitation (VDC or VAC)	20 max
Bridge Resistance	1000 Ohm nom
Connection	LEMO® connector receptacle
Wiring/Connector Code	CC4 standard

MECHANICAL

Weight (approximate)	7.5 oz [212 g] (2000 lb - 18 oz [510 g])
Safe Overload	150% of RO
Material	Anodized Aluminum (2000 lb - 17-4 PH stainless-steel)
IP Rating	IP50

TEMPERATURE

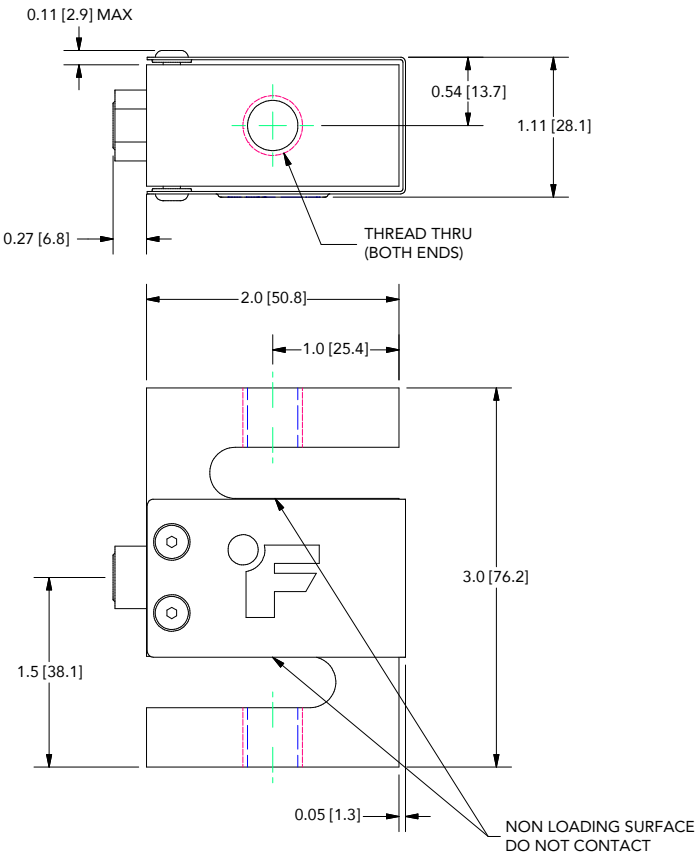
Operating Temperature	-60 to 200°F [-50 to 93°C]
Compensated Temperature	60 to 160°F [15 to 72°C]
Temperature Shift Zero	$\pm 0.001\%$ of RO/°F [0.0018% of RO/°C]
Temperature Shift Span	$\pm 0.0008\%$ of Load/°F [0.0014% of Load/°C]

CALIBRATION

Calibration Test Excitation	10 VDC
Calibration (standard)	5-pt Tension; 150 kOhm Shunt Cal. Value
Calibration (available)	Compression

DIMENSIONS inches [mm]

TOLERANCE:
.X ± 0.1" [2.5 mm]
.XX ± 0.01" [0.25 mm]
.XXX ± 0.005" [0.127 mm]

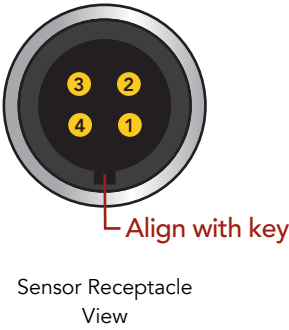


CAPACITIES

ITEM #	lb	N	Thread	Natural Frequency (Hz)	Deflection (in.)
FSH00967	500	2224	1/2-20	1400	0.010
FSH00966			M12 x 1.75		
FSH00971	1000	4448	1/2-20	1500	0.015
FSH00970			M12 x 1.75		
FSH00973	2000	8896	1/2-20	1300	0.016
FSH00972			M12 x 1.75		

LEMO 4-PIN

PIN	COLOR	DESCRIPTION
1	Red	+ Excitation
2	Green	+ Signal
3	White	- Signal
4	Black	- Excitation



Drawing Number: FI1073-D

FUTEK reserves the right to modify its design and specifications without notice.
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10 Thomas, Irvine, CA 92618 USA

www.futek.com

