



**FEATURES**

- Ultra low deflection
- Robust strain relief
- 17-4 PH stainless-steel construction
- For use in compression
- Utilizes metal foil strain gauge technology
- Includes bottom mounting provisions

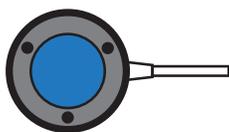
 Non-loading surface, do not contact

 Active End

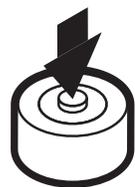
 Fixed End



Top view



Bottom view



+ Output (compression)

**SPECIFICATIONS**

**PERFORMANCE**

Nonlinearity ±0.25% of RO

Hysteresis ±0.25% of RO

Nonrepeatability ±0.1% of RO

**ELECTRICAL**

Rated Output (RO) 2 mV/V nom

Excitation (VDC or VAC) 18 max

Bridge Resistance 700 Ohm nom

Insulation Resistance ≥500 MOhm @ 50 VDC

Connection #26 AWG, 4 conductor, braided shielded Teflon cable

Wiring/Connector Code WC1

**MECHANICAL**

Weight (approximate) 40 oz [1.1 kg]

Safe Overload 150% of RO

Deflection See chart on next page

Material 17-4 PH stainless-steel

IP Rating IP64

**TEMPERATURE**

Operating Temperature -60 to 200°F [-50 to 93°C]

Compensated Temperature 60 to 160°F [15 to 72°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 10 VDC

Calibration (standard) 5-pt Compression

Shunt Calibration Value 100 kOhm

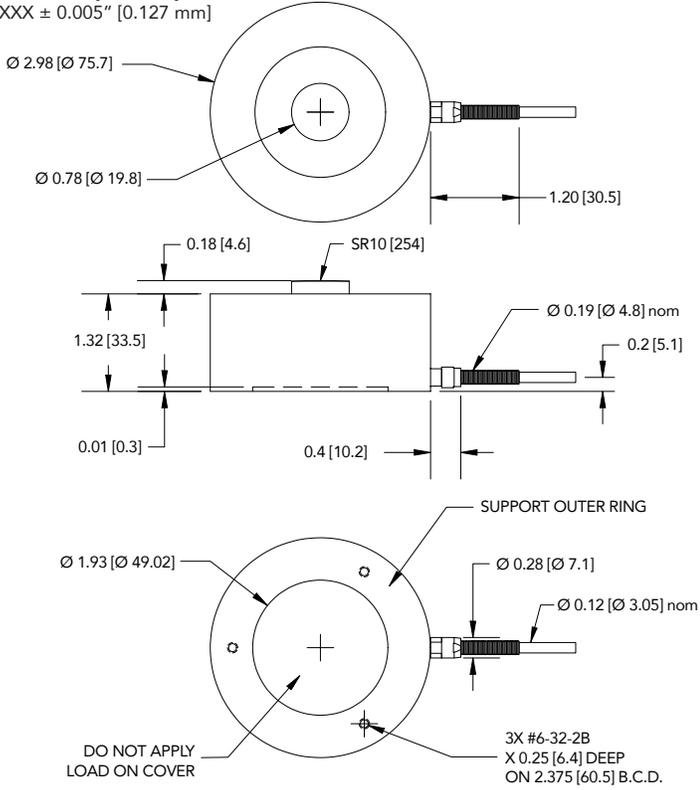
**CONFORMITY**

RoHS EU 2015/863

CE EN55011; EN61326-1

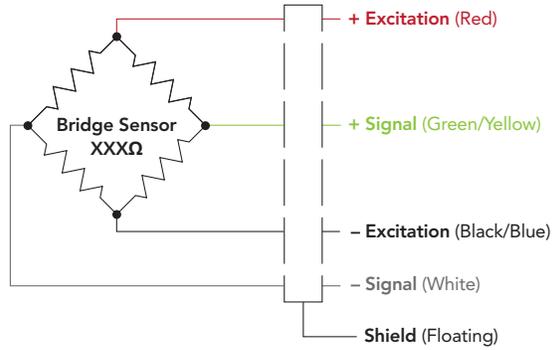
**DIMENSIONS** inches [mm]

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



**WIRING CODE (WC1 WITH SHIELD)**

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



**CAPACITIES**

ITEM #	lb	N	FZ Deflection (in)	Natural Frequency (kHz)
FSH04535	50k	222400	0.0042	15.9

Drawing Number: F11480-B

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RoHS



U.S. Manufacturer