



## FEATURES

- Minimal mounting clearance
- 17-4 PH stainless-steel construction
- For use in both tension and compression
- Utilizes metal foil strain gauge technology
- Environmental Protection, IP67 Rated
- Fast Response time
- Water Resistant and Outdoor Rated

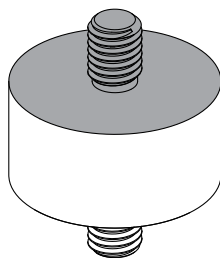
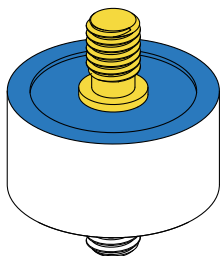
 Non-loading surface, do not contact

 Active End

 Fixed End

+ Output (tension)

- 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)	15 max
Bridge Resistance	740 Ohm nom
Insulation Resistance	≥500 MOhm @ 50 VDC
Connection	4 Position Micro Receptacle
Wiring/Connector Code	CC19

### MECHANICAL

Weight	1.5 oz [42.5 g]
Safe Overload	150% of RO
Deflection	See chart on next page
Material (flexure)	17-4 PH stainless-steel
IP Rating	IP67

### TEMPERATURE

Operating Temperature	-60 to 200°F (-50 to 93°C)
Compensated Temperature	60 to 160°F (15 to 72°C)
Temperature Shift Zero	±0.005% of RO/°F (±0.01 of RO/°C)
Temperature Shift Span	±0.02% of load/°F (±0.036 of load/°C)

### CALIBRATION

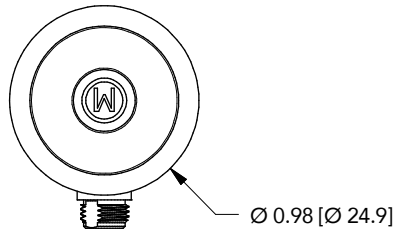
Calibration Test Excitation	10 VDC
Calibration (standard)	5-pt Tension
Calibration (available)	Compression
Shunt Calibration Value	100 kOhm

### CONFORMITY

RoHS	EU 2015/863
CE	EN55011; EN61326-1

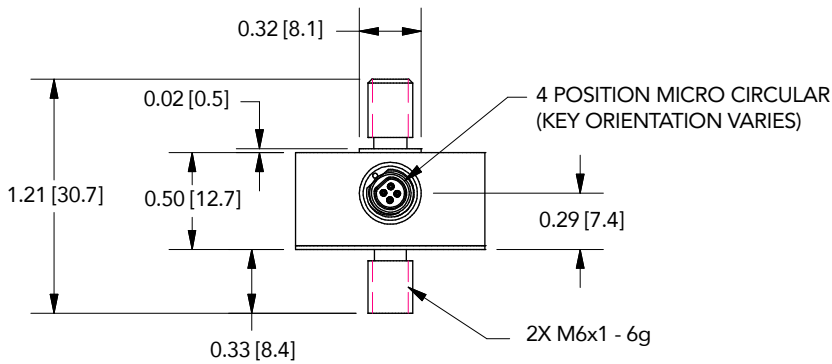
## DIMENSIONS inches [mm]

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



## FUTEK 4 PIN MICRO CIRCULAR (CC19)

1	+ EXCITATION	Red
2	- EXCITATION	Black
3	- SIGNAL	White
4	+ SIGNAL	Green



## CAPACITIES

ITEM #	lb	N	Deflection (in)	Natural Frequency (kHz)
FSH04530	50	223	0.002	6.1
FSH04531	100	445	0.001	10.9
FSH04532	250	1112	0.001	17
FSH04533	500	2224	0.001	23
FSH04534	1000	4448	0.001	29



Drawing Number: FI1534

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RoHS



U.S. Manufacturer