



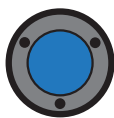
FEATURES

- Fast Response time (μ s)
- Environmental Protection, IP67 Rated
- Water Resistant and Outdoor Rated
- 17-4 PH stainless-steel construction
- Utilizes metal foil strain gauge technology
- Quick Disconnect Cable

 Non-loading surface, do not contact

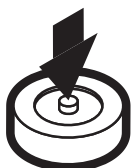
 Active End

 Fixed End



Top view

Bottom view



+ Output (compression)

SPECIFICATIONS

PERFORMANCE

Nonlinearity $\pm 0.25\%$ of RO (5000 lb)
 $\pm 0.5\%$ of RO (10000 lb)

Hysteresis $\pm 0.25\%$ of RO (5000 lb)
 $\pm 0.5\%$ of RO (10000 lb)

Nonrepeatability $\pm 0.1\%$ 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 4 Position Micro Receptacle

Wiring/Connector Code CC19

MECHANICAL

Weight (approximate) 4 oz [113.4 g]

Safe Overload 150% of RO

Deflection See chart on next page

Material 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 $\pm 0.01\%$ of RO/ $^{\circ}\text{F}$ [0.018% of RO/ $^{\circ}\text{C}$]

Temperature Shift Span $\pm 0.005\%$ of LOAD/ $^{\circ}\text{F}$ [0.009% of LOAD/ $^{\circ}\text{C}$]

CALIBRATION

Calibration Test Excitation 10 VDC

Calibration (standard) 5-pt Compression

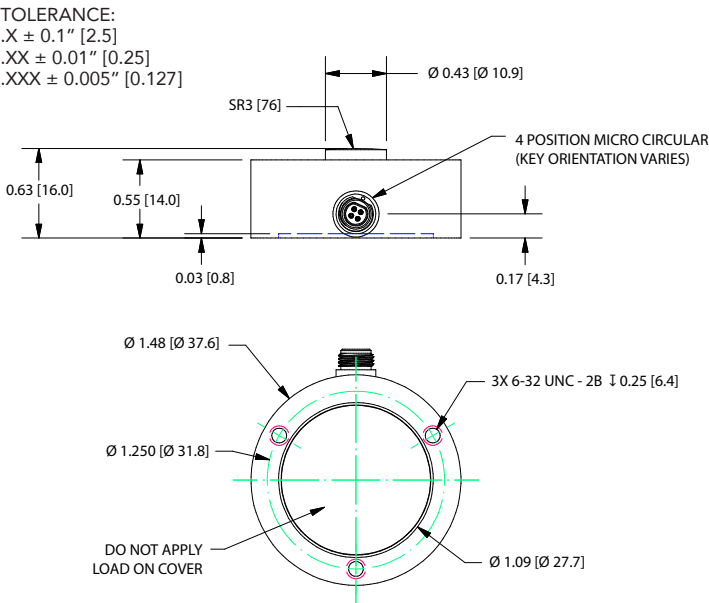
Shunt Calibration Value 100 kOhm

CONFORMITY

RoHS EU 2015/863

CE EN55011; EN61326-1

DIMENSIONS inches [mm]



FUTEK 4 PIN MICRO CIRCULAR (CC19)

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



CAPACITIES

ITEM #	lb	N	FZ Deflection (in)	Natural Frequency (kHz)
FSH04551	5000	22240	0.003	34
FSH04552	10000	44480	0.003	36

Drawing Number: FI1537

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