



## FEATURES

- Fast Response time ( $\mu$ 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

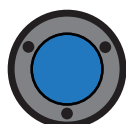
 Non-loading surface, do not contact

 Active End

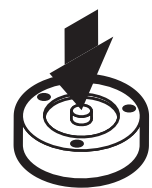
 Fixed End



Top view



Bottom view



+ Output (compression)

## SPECIFICATIONS

### PERFORMANCE

Nonlinearity	See chart on next page
Hysteresis	See chart on next page
Nonrepeatability	$\pm 0.05\%$ of RO

### ELECTRICAL

Rated Output (RO)	2 mV/V nom (100 to 2000 lb), 2.5 mV/V nom (2500 lb)
Excitation (VDC or VAC)	18 max
Bridge Resistance	740 Ohm nom
Insulation Resistance	$\geq 500$ MOhm @ 50 VDC
Connection	4 Position Micro Receptacle
Wiring/Connector Code	CC19

### MECHANICAL

Weight (approximate)	3.7 oz [102 g]
Safe Overload	150% of RO
Deflection	See chart on next page
Material	17-4PH stainless-steel
IP Rating	IP67

### TEMPERATURE

Operating Temperature	$-60$ to $200^{\circ}\text{F}$ [ $-50$ to $93^{\circ}\text{C}$ ]
Compensated Temperature	$60$ to $160^{\circ}\text{F}$ [ $15$ to $72^{\circ}\text{C}$ ]
Temperature Shift Zero	$\pm 0.01\%$ of RO/ $^{\circ}\text{F}$ [ $0.018\%$ of RO/ $^{\circ}\text{C}$ ]
Temperature Shift Span	$\pm 0.02\%$ of LOAD/ $^{\circ}\text{F}$ [ $0.036\%$ of LOAD/ $^{\circ}\text{C}$ ]

### CALIBRATION

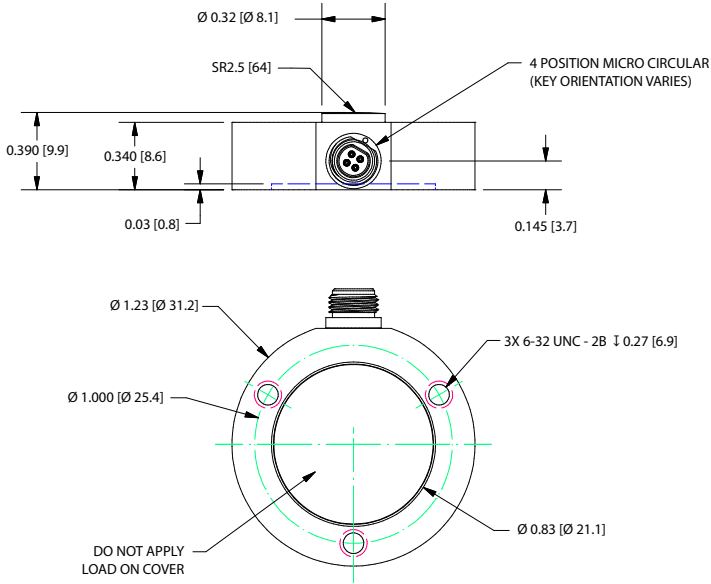
Calibration Test Excitation	10 VDC
Calibration (standard)	5-pt Compression
Shunt Calibration Value	100 kOhm, 87.325 kOhm (2500 lb)

### CONFORMITY

RoHS	EU 2015/863
CE	EN55011; EN61326-1

## DIMENSIONS inches [mm]

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



## FUTEK 4 PIN MICRO CIRCULAR (CC19)

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



## CAPACITIES

ITEM #	lb.	N	Nonlinearity (% of RO)	Hysteresis (% of RO)	Deflection (in)	Natural Frequency (kHz)
FSH04603	100	445	±0.15	±0.15	0.001	14
FSH04604	250	1112	±0.15	±0.15	0.001	23
FSH04605	500	2224	±0.25	±0.25	0.001	32
FSH04606	1000	4448	±0.25	±0.25	0.0015	40
FSH04607	2000	8896	±0.35	±0.35	0.002	45
FSH04608	2500	11120	±0.50	±0.50	0.0024	45

Drawing Number: FI1536

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R0HS



U.S. Manufacturer