



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/°F [0.018% of RO/°C]
Temperature Shift Span	$\pm 0.005\%$ of LOAD/°F [0.009% of LOAD/°C]

CALIBRATION

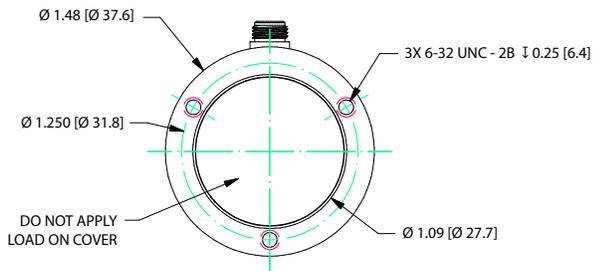
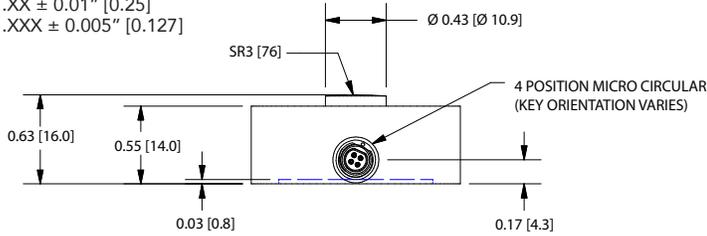
Calibration Test Excitation	10 VDC
Calibration (standard)	5-pt Compression
Shunt Calibration Value	100 kOhm

CONFORMITY

RoHS	EU 2015/863
CE	EN55011; EN61326-1

DIMENSIONS inches [mm]

TOLERANCE:
 .X ± 0.1" [2.5]
 .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	FZ Deflection (in)	Natural Frequency (kHz)
FSH04551	5000	22240	0.003	34
FSH04552	10000	44480	0.003	36

Drawing Number: F11537

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