

Terms and Conditions of Use

This drawing, including all information depicted herein (collectively, "Drawing"), is FUTEK's property and protected under applicable law, including copyright. FUTEK reserves all rights. The Drawing is provided solely for your information and exclusive use. **Except as expressly approved by FUTEK in writing, you may not reproduce or share this Drawing**, in whole or part, with any other firm or individual, or attempt to reverse engineer the Drawing or data contained therein. Any reproduction of this Drawing in whole or part must include this legend.

By accessing the Drawing, you agree that you have read, understand, and agree to abide by the stated Terms and Conditions of Use.

© 2023 FUTEK Advanced Sensor Technology, Inc.



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

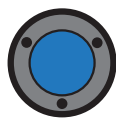
 Non-loading surface, do not contact

 Active End

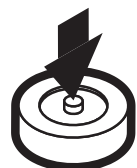
 Fixed End



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

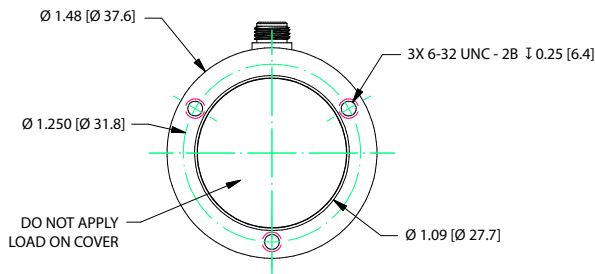
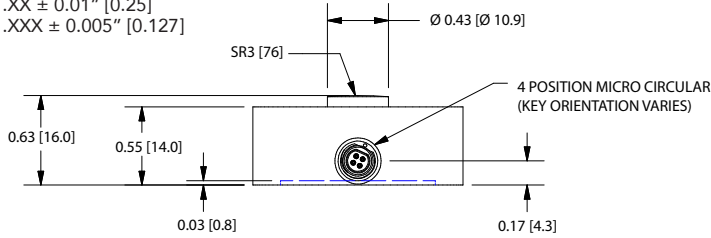
CONFORMITY

RoHS EU 2015/863

CE EN55011; EN61326-1

DIMENSIONS inches [mm]

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.

10 Thomas, Irvine, CA 92618 USA
 Tel: (949) 465-0900

www.futek.com



RoHS



U.S. Manufacturer