

## High Capacity Load Button with Threaded/Tapped Holes



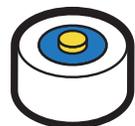
### FEATURES

- Fast ( $\mu$ s) response time
- 17-4 PH stainless-steel construction
- Environmental Protection, IP67 Rated
- Water Resistant and Outdoor Rated
- Low power consumption
- Quick Disconnect Cable
- Compact Size with bottom mounting provisions
- Notable non-linearity & non-repeatability

 Non-loading surface, do not contact

 Active End

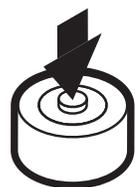
 Fixed End



Top view



Bottom view



+ Output (compression)

### SPECIFICATIONS

#### PERFORMANCE

Nonlinearity  $\pm 0.25\%$  of RO

Hysteresis  $\pm 0.25\%$  of RO

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  $\geq 500$  MOhm @ 50 VDC

Connection 4 Position Micro Receptacle

Wiring/Connector Code CC19

#### MECHANICAL

Weight (approximate) 40 oz [1.1 kg]

Safe Overload 150% of RO

Deflection 0.0058"

Material 17-4 PH 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  $\pm 0.005\%$  of RO/ $^{\circ}\text{F}$  [ $0.009\%$  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

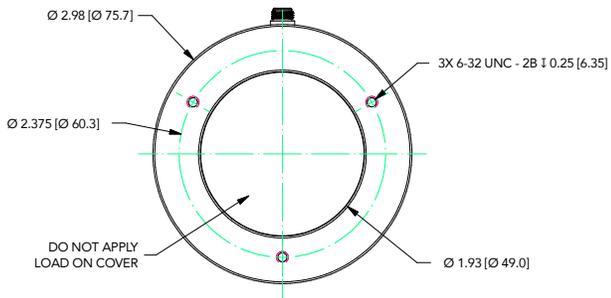
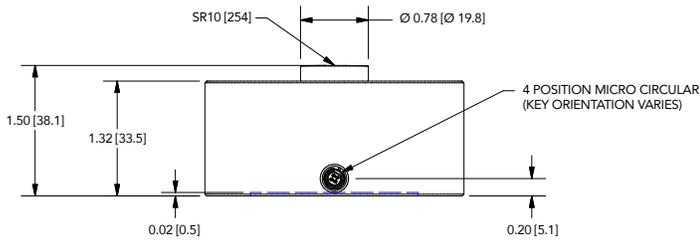
#### CONFORMITY

RoHS EU 2015/863

CE EN55011; EN61326-1

## DIMENSIONS inches [mm]

TOLERANCE:  
 .X ± 0.1" [2.5 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	FZ Deflection (in)	Natural Frequency (kHz)
FSH04536	50k	222400	0.0058	22.7

Drawing Number: F11533

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RoHS



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