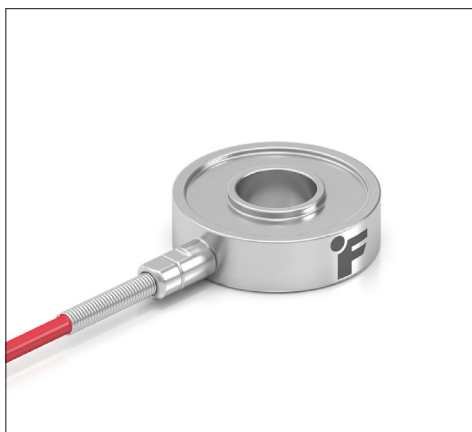




FEATURES

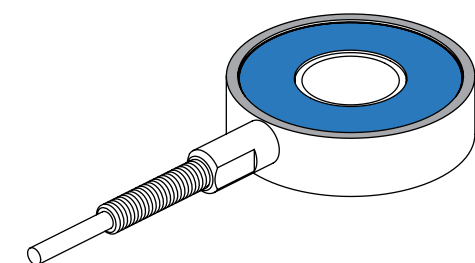
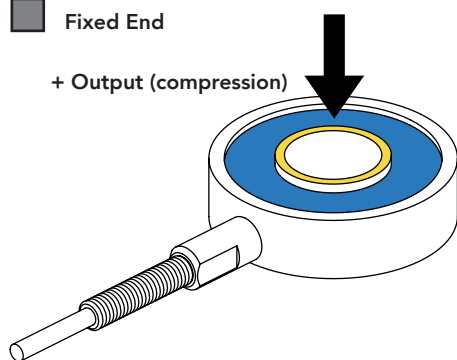
- Various capacities and inner diameters.
- Compact size, ideal for tight spaces.
- Quick response with low deflection.
- Robust cable strain relief.
- Low power consumption.

 Non-loading surface, do not contact

 Active End

 Fixed End

+ Output (compression)



SPECIFICATIONS

PERFORMANCE

Nonlinearity $\pm 0.5\%$ of RO

Hysteresis See table

Nonrepeatability $\pm 0.5\%$ 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 #29 AWG, 4 conductor, spiral shielded
Teflon cable, 10 ft [3 m] long

Wiring/Connector Code WC1

MECHANICAL

Capacities See table

Weight (approximate) 2 oz [57 g]

Safe Overload 150% of RO

Deflection 0.001 in [0.025 mm] nom

Material 17-4 PH stainless-steel

IP Rating IP64

TEMPERATURE

Operating Temperature -60 to 200°F (-50 to 93°C)

Compensated Temperature 60 to 160°F (15 to 72°C)

Temperature Shift Zero $\pm 0.005\%$ of RO/ $^{\circ}\text{F}$ (0.01% of RO/ $^{\circ}\text{C}$)

Temperature Shift Span $\pm 0.005\%$ of Load/ $^{\circ}\text{F}$ (0.01% of Load/ $^{\circ}\text{C}$)

CALIBRATION

Calibration Test Excitation 10 VDC

Calibration (standard) 5-pt Compression

Shunt Calibration Value 100 kOhm

CONFORMITY

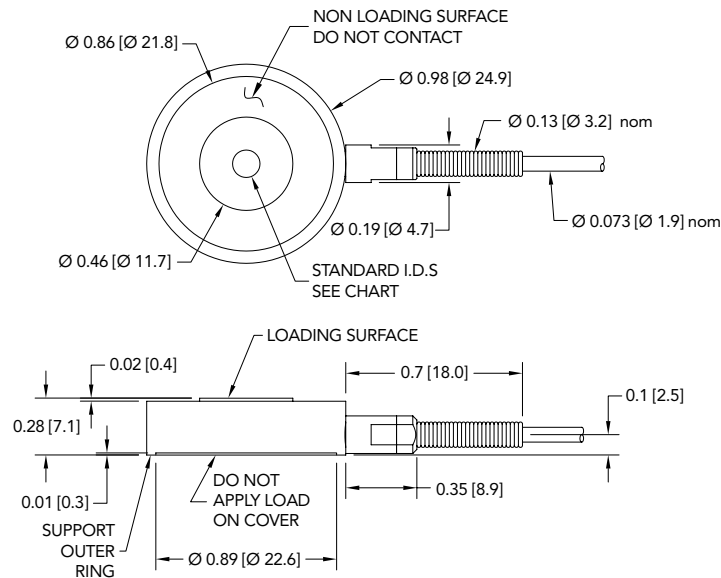
RoHS EU 2015/863

CE EN55011; EN61326-1

*Commonly stocked capacities

DIMENSIONS inches [mm]

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

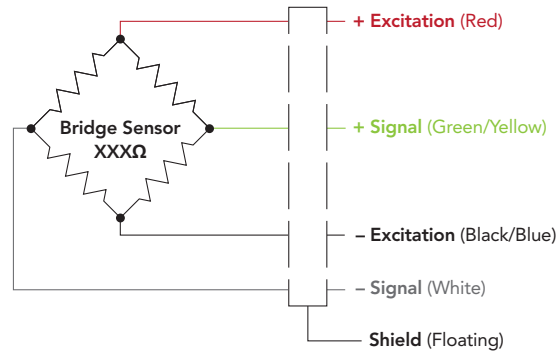


CAPACITIES

	N	Non-linearity % of RO	Hysteresis % of RO
50	222	$\pm 0.5\%$	$\pm 0.5\%$
100	445	$\pm 0.5\%$	$\pm 0.5\%$
250	1112	$\pm 0.5\%$	$\pm 0.5\%$
500	2224	$\pm 0.5\%$	$\pm 0.5\%$
1000	4448	$\pm 0.5\%$	$\pm 1\%$

WIRING CODE (WC1 WITH SHIELD)

RED	+ EXCITATION
BLACK	- EXCITATION
GREEN	+ SIGNAL
WHITE	- SIGNAL
SHIELD	FLOATING



참고: 볼트 체결 시 높은 인장력이 발생하여 센서에 과부하가 걸릴 수 있습니다. FUTEK은 가해지는 힘을 모니터링할 수 있도록 센서를 시스템에 연결할 것을 권장합니다. FUTEK은 설치 중 센서 취급 부주의로 인해 발생하는 문제에 대해 어떠한 책임도 지지 않습니다.

INNER DIAMETER (Actual)

Lb	Item Number	Nominal ID	Actual Dimension	+0.01 -0.00	+0.25 -0.00
50	FSH04810	3/16	0.197 [5.01]		
50	FSH04815	1/4	0.259 [6.58]		
50	FSH04820	5/16	0.322 [8.18]		
50	FSH04825	3/8	0.384 [9.75]		
100	FSH04826	3/8	0.384 [9.75]		
100	FSH04821	1/4	0.259 [6.58]		
100	FSH04826	5/16	0.322 [8.18]		
250	FSH04817	1/4	0.259 [6.58]		
250	FSH04827	3/8	0.384 [9.75]		
500	FSH04813	3/16	0.197 [5.01]		
500	FSH04818	1/4	0.259 [6.58]		
500	FSH04828	3/8	0.384 [9.75]		
1000	FSH04829	3/8	0.384 [9.75]		
1000	FSH04905	1/4	0.259 [6.58]		
1000	FSH04906	5/16	0.322 [8.18]		

Drawing Number: FI1425-D

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RoHS



U.S. Manufacturer