



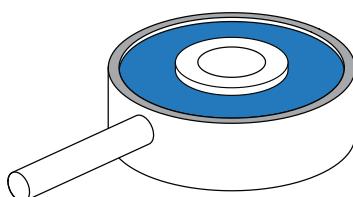
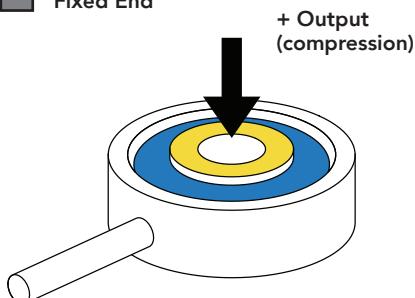
FEATURES

- Various capacities from 0-250 lb
- Miniature size, ideal for tight spaces.
- Quick response with low deflection.
- Low power consumption.

Non-loading surface, do not contact

Active End

Fixed End



SPECIFICATIONS

PERFORMANCE

Nonlinearity	See table
Hysteresis	See table
Nonrepeatability	±0.1% of RO

ELECTRICAL

Rated Output (RO)	See table
Excitation (VDC or VAC)	12 max
Bridge Resistance	1000 Ohm nom
Insulation Resistance	≥500 MΩ @ 50 VDC
Connection	34 Awg 4 Conductor Braided Polyester Cable 5 ft [1.5m] Long
Wiring/Connector Code	WC1

MECHANICAL

Capacities	See table
Weight (approximate)	0.02 lb [9.1 g]
Safe Overload	150% of RO
Deflection	0.0006 in [0.015 mm] Nom.
Material	17-4 PH stainless-steel
IP Rating	IP64

TEMPERATURE

Operating Temperature	-60 to 200°F (-51 to 93°C)
Compensated Temperature	60 to 160°F (15 to 71°C)
Temperature Shift Zero	±0.02% of RO/°F (±0.036% of RO/°C)
Temperature Shift Span	±0.02% of Load/°F (±0.036% of Load/°C)

CALIBRATION

Calibration Test Excitation	5 VDC
Calibration (standard)	5-pt Compression
Shunt Calibration Value	See table

CONFORMITY

RoHS	EU 2015/863
CE	EN55011; EN61326-1

Sensor Solution Source

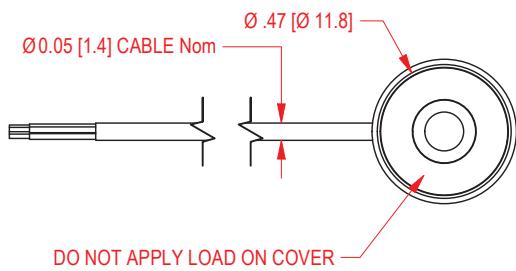
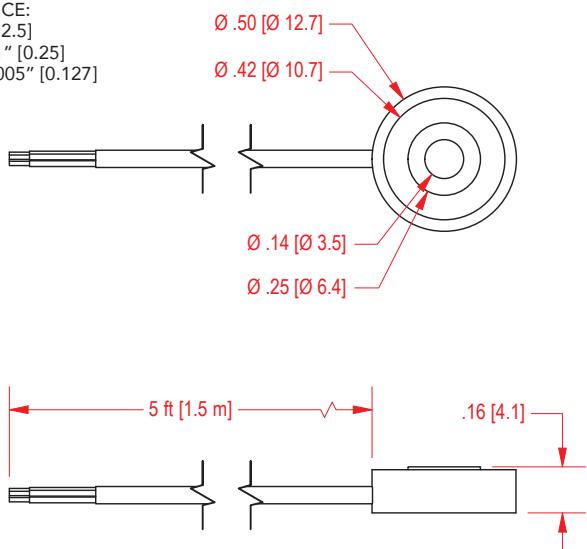
Load · Torque · Pressure · Multi-Axis · Calibration · Instruments · Software

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DIMENSIONS inches [mm]

TOLERANCE:
 $.X \pm 0.1"$ [2.5]
 $.XX \pm 0.01"$ [0.25]
 $.XXX \pm 0.005"$ [0.127]

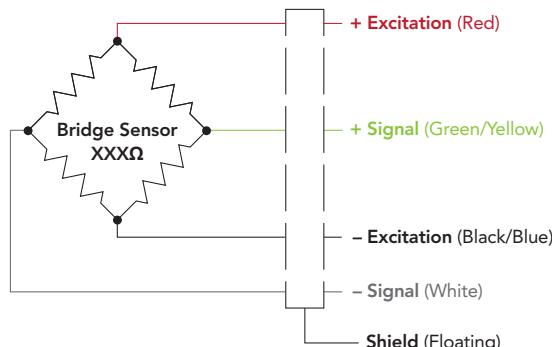


CAPACITIES

Lb	N	Rated Output (mV/V) nom	Non-linearity (% of RO)	Hysteresis (% of RO)	Shunt Value (K ohm)	Natural Frequency (kHz)
5	22	1	± 0.5	± 0.5	301	11
10	44	2	± 0.5	± 0.5	150	11
25	110	2	± 0.6	± 0.6	150	19
50	220	2	± 0.6	± 0.6	150	28
100	450	2	± 0.6	± 0.6	150	39
150	670	2	± 0.6	± 0.6	150	45
250	1100	2	± 0.6	± 0.6	150	52

WIRING CODE (WC1 WITH SHIELD)

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



Note: While torquing bolts, high tension forces will occur during installation, which could result in overloading the sensor. FUTEK recommends connecting the sensor to a system in order to monitor the applied forces. FUTEK is not liable or responsible for the mishandling of the sensor during installation.

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RoHS

