FUTEK
ADVANCED SENSOR TECHNOLOGY, INC.

MODEL LLB250
Miniature Load Button

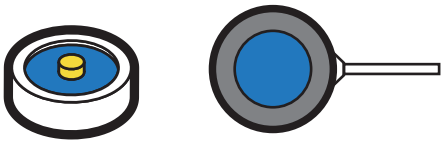
FEATURES

- Ultra fast response
- Low deflection
- Impressive repeatability
- 17-4 PH stainless-steel construction
- Fully welded construction

Non-loading surface, do not contact

Active End

Fixed End



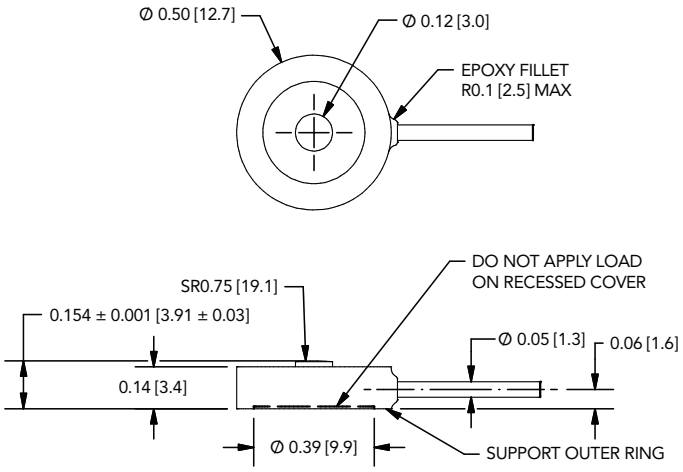
Top view Bottom view

+ Output (compression)

SPECIFICATIONS	
PERFORMANCE	
Nonlinearity	±0.5% of RO
Hysteresis	±0.5% of RO
Nonrepeatability	±0.1% of RO
ELECTRICAL	
Rated Output (RO)	2 mV/V nom
Excitation (VDC or VAC)	7 max
Bridge Resistance	1000 Ohm nom
Insulation Resistance	≥500 Mohm @ 50 VDC
Connection	#34 awg 4 conductor braided shielded cable, 5 ft [1.5 m] long
Wiring/Connector Code	WC1s
MECHANICAL	
Weight (approximate)	0.32 oz [9 g]
Safe Overload	150% of RO
Deflection	0.0005 in [0.013 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 (16 to 71°C)
Temperature Shift Zero	±0.01% of RO/°F (±0.018 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	60.4 kOhm
CONFORMITY	
RoHS	EU 2015/863
CE	EN55011; EN61326-1

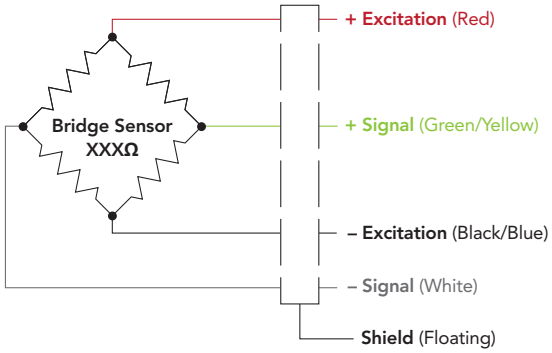
DIMENSIONS inches [mm]

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



WIRING CODE (WC1s)

RED	+ EXCITATION
BLACK	– EXCITATION
GREEN	+ SIGNAL
WHITE	– SIGNAL
SHIELD	SENSOR BODY



CAPACITIES

ITEM #	lb	N	Natural Frequency (kHz)
FSH04489	100	445	33
FSH03928	250	1112	41.7

Drawing Number: FI1053-L

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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CE RoHS ANSI Z540-1 ISO 17025 ISO 9001 ISO 13485 U.S. Manufacturer