



MODEL MLB050

## Miniature Load Button



### FEATURES

- Draws 3X less power than standard load cells
- Ultra fast response and low deflection
- Fully welded construction
- Internally thermal compensated
- Highly flexible cable
- Low profile 3.91 mm H
- Tight height tolerance in support of multi-sensor platform applications

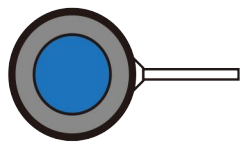
 Non-loading surface, do not contact

 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	2500 Mohm to 1k Ohm
Connection	#34 awg 4 conductor braided shielded cable, 5 ft [1.5 m] long

Wiring/Connector Code	WC1s
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#### 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	60.4k Ohm

\* Specifications are subject to change without notice

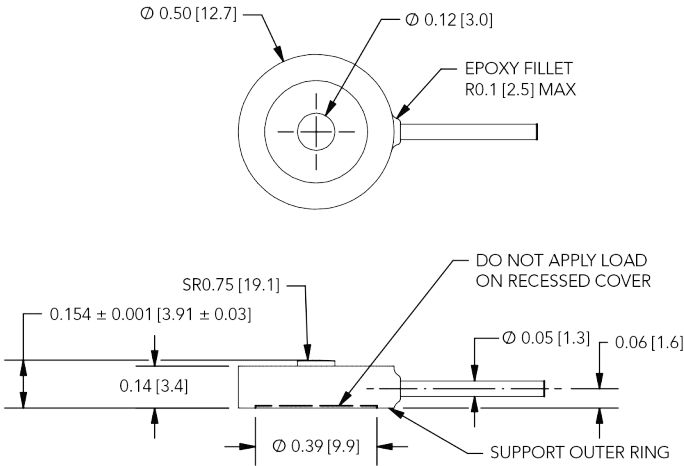
WZO CONTROLS LTD



WZO Model MLB050

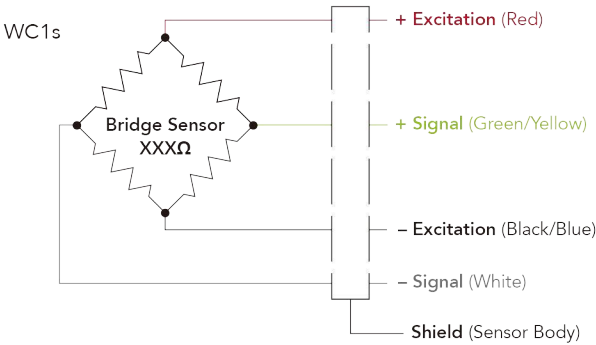
DIMENSIONS inches [mm]

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

	lb	N	Natural Frequency (kHz)
	100	445	33
	250	1112	41.7

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