

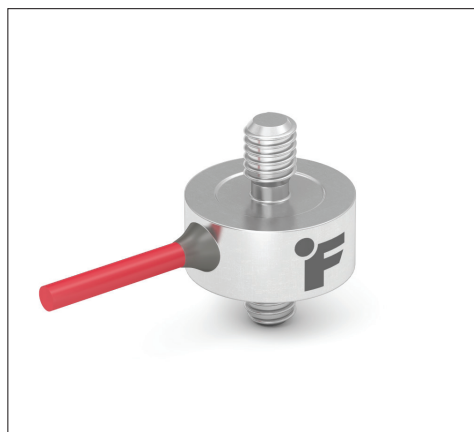


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FEATURES

- High speed, low deflection
- Minimal mounting clearance
- Lightweight and ultra miniature solution
- Low power consumption
- Outer diameter of 0.38" [9.5 mm]
- 17-4 PH stainless-steel construction
- For use, both in-line tension and compression
- Utilizes metal foil strain gauge technology
- Adheres to RoHS directive 2015/63/EU

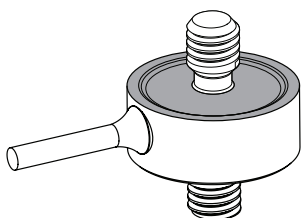
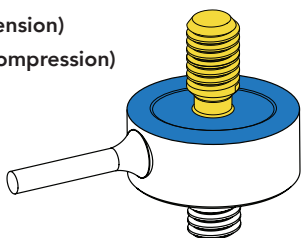
 Non-loading surface

 Active End

 Fixed end

+ Output (tension)

- Output (compression)



SPECIFICATIONS

PERFORMANCE

Nonlinearity	±0.5% of RO
Hysteresis	±0.5% of RO
Nonrepeatability	±0.1% of RO

ELECTRICAL

Rated Output (RO)	1 mV/V (1000 g, 5 lb) 2 mV/V (10 lb, 25 lb, 50 lb)
Excitation (VDC or VAC)	10 Max
Bridge Resistance	1000 Ohm nom
Insulation Resistance	≥500 MOhm @ 50 VDC
Connection	#34 Awg 4 conductor braided shielded polyester cable 5 ft [1.5 m] long
Wiring/Connector Code	WC1

MECHANICAL

Weight (approximate)	0.3 oz [8.5 g]
Safe Overload	150% of RO
Material	17-4 PH stainless-steel
IP Rating	IP65

TEMPERATURE

Operating Temperature	-60 to 200°F (-51 to 93°C)
Compensated Temperature	60 to 160°F (16 to 71°C)
Temperature Shift Zero	±0.02% of RO/°F (±0.036 of RO/°C)
Temperature Shift Span	±0.02% of load/°F (±0.036 of load/°C)

CALIBRATION

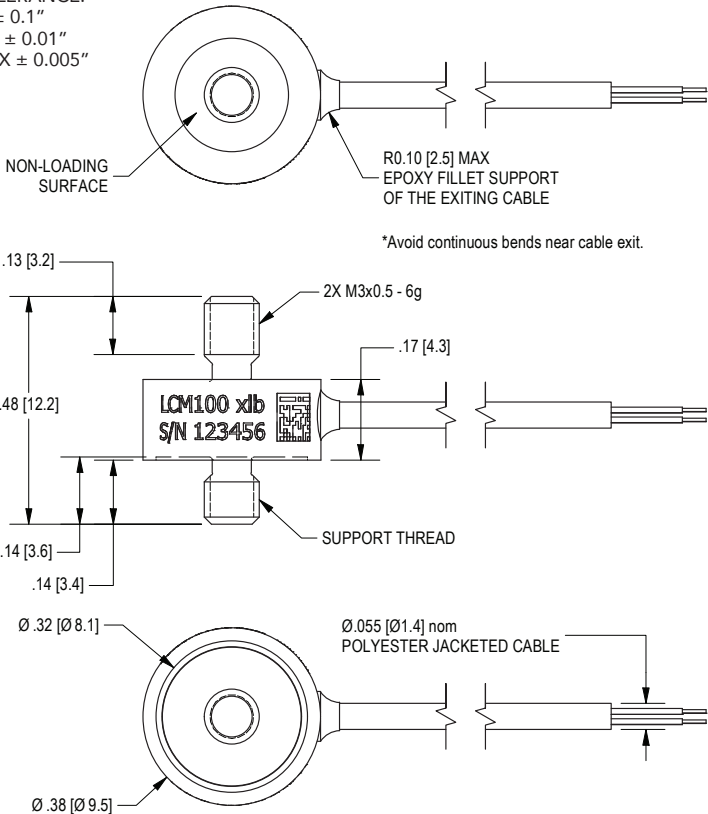
Calibration Test Excitation	5 VDC
Calibration (standard)	5-pt Tension
Calibration (available)	Compression
Shunt Calibration Value	301 kOhm (1000 g, 5 lb) ; 50 kOhm (10 lb, 25 lb, 50 lb)

CONFORMITY

RoHS	EU 2015/863
CE	EN55011; EN61326-1

DIMENSIONS inches [mm]

TOLERANCE:
.X ± 0.1"
.XX ± 0.01"
.XXX ± 0.005"

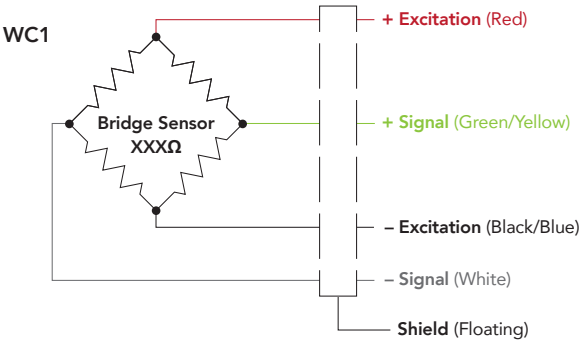


Note: Static one-time bends shall not have a radius of less than 5 times the diameter of the sensor cable. Continuous bends shall not have a radius of less than 10 times the diameter of the sensor cable.

WIRING CODE

WC1

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



CAPACITIES

lb	N	Deflection (in)	Natural Frequency (kHz)
1000 g	9.8	0.0001	19
5 lb	22.2	0.0001	26
10 lb	44.5	0.0002	26
25 lb	111.2	0.0002	42
50 lb	222.4	0.0005	42

**In-line sensors are sensitive to off-axis or extraneous forces, please refer to [Extraneous Load Factor sheet](#).

Drawing Number: FI1367-K

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