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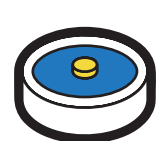
FEATURES

- Fully internally temperature compensated (no external conditioning circuitry)
- Subminiature / light weight
- Low profile 3.3 mm height
- Tight height tolerance in support of multi-sensor platform applications
- Draws 3X less power than standard load cells
- Low deflection / fast response
- Utilizes metal foil strain gauge technology
- Accessories and related instruments available

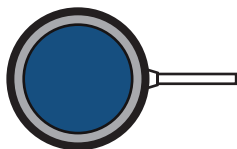
 Non-loading surface, do not contact

 Active End

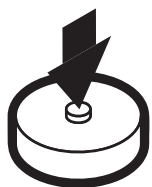
 Fixed end



Top view



Bottom view



+ Output (compression)

SPECIFICATIONS

PERFORMANCE

Nonlinearity $\pm 0.5\%$ of RO

Hysteresis $\pm 0.5\%$ of RO

Nonrepeatability $\pm 0.1\%$ of RO

ELECTRICAL

Rated Output (RO) 2 mV/V
1 mV/V (1000 g, 5 lb) nom

Excitation (VDC or VAC) 10 Max

Bridge Resistance 1000 Ohm nom

Insulation Resistance ≥ 500 MOhm @ 50 VDC

Connection #34 AWG, 4 conductor Teflon, stainless-steel braided shielded cable 5-ft [1.5 m] long

Wiring/Connector Code WC1s

MECHANICAL

Weight (approximate) 0.3 oz [8.5g]

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 $\pm 0.02\%$ of RO/ $^{\circ}\text{F}$ (± 0.036 of RO/ $^{\circ}\text{C}$)

Temperature Shift Span $\pm 0.02\%$ of Load/ $^{\circ}\text{F}$ (± 0.036 of Load/ $^{\circ}\text{C}$)

CALIBRATION

Calibration Test Excitation 5 VDC

Calibration (standard) 5-pt Compression

Shunt Calibration Value 301 kOhm (1000 g, 5 lb) ;
150 kOhm (10 lb, 25 lb, 50 lb)

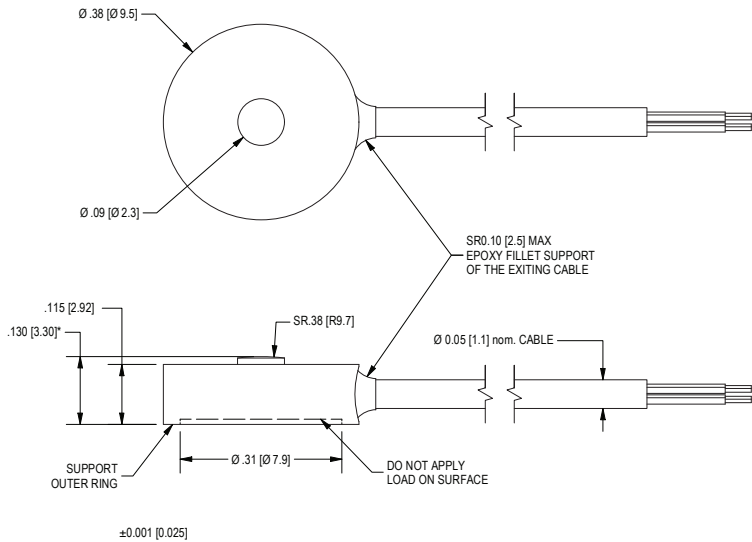
CONFORMITY

RoHS EU 2015/863

CE EN55011; EN61326-1

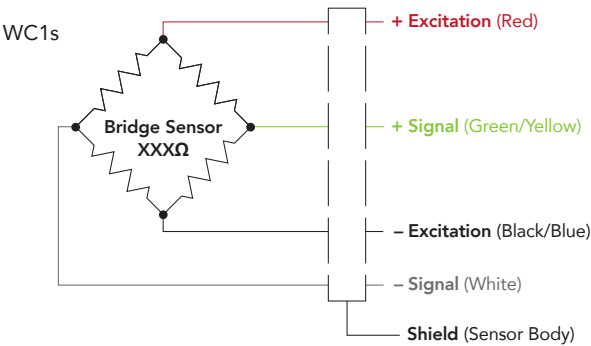
DIMENSIONS inches [mm]

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

lb	N	Natural Frequency (kHz)
1000 g	9.8	20
5 lb	22.2	28.5
10 lb	44.5	28.5
25 lb	111.2	42
50 lb	222.4	52

Drawing Number: FI1284-J

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