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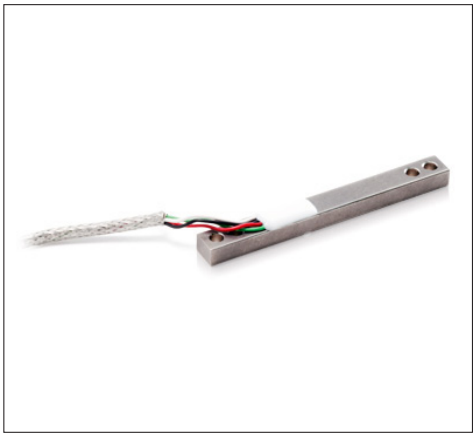
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MODEL LBB200

Cantilever Bending Beam Load Cell

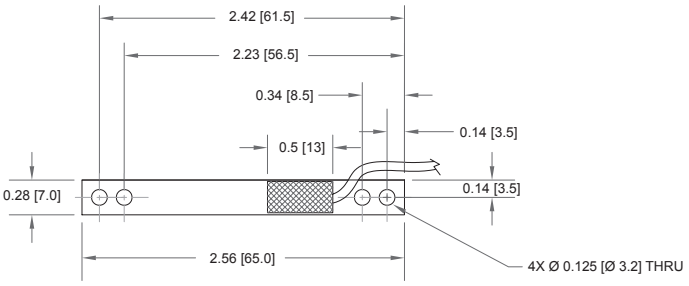


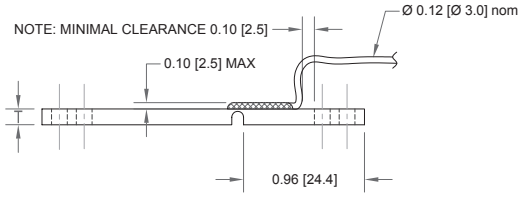
FEATURES

- Ideal for OEM Applications
- Can be utilized to measure force, pressure, and displacement for OEM Applications
- Light Weight

SPECIFICATIONS	
ELECTRICAL	
Rated Output (RO)	1 mV/V nom
Excitation (VDC or VAC)	18 max
Bridge Resistance	1000 Ohm nom
Insulation Resistance	≥500 MOhm @ 50 VDC
Connection	#28 AWG, 4 conductor, braided shielded PVC cable 1 ft [0.3 m] long
Wiring Code	WC3
MECHANICAL	
Weight	1 oz [28 g]
Safe Overload	150% of RO
Material	17-4 PH stainless-steel
IP Rating	IP64
TEMPERATURE	
Operating Temperature	-45 to 200°F [-42 to 93°C]
Compensated Temperature	60 to 160°F [15 to 72°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]

DIMENSIONS inches [mm]



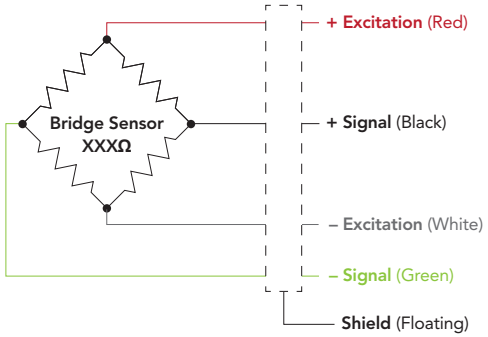


CAPACITIES

ITEM #	lb	N	Deflection (in)	Natural Frequency (Hz)	T
FSH00887	1/4	1.1	0.007	150	0.12 [3]
FSH00888	1/2	2.2	0.010	180	0.12 [3]
FSH00889	1	4.5	0.009	270	0.12 [3]
FSH00891	5	22	0.007	570	0.18 [4.6]
FSH00892	10	44.5	0.009	700	0.18 [4.6]
FSH00893	25	111	0.020	730	0.18 [4.6]

WIRING CODE (WC3)

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



Drawing Number: FI1049-F

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