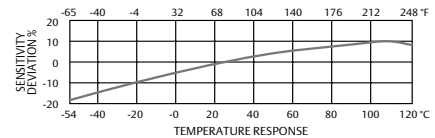
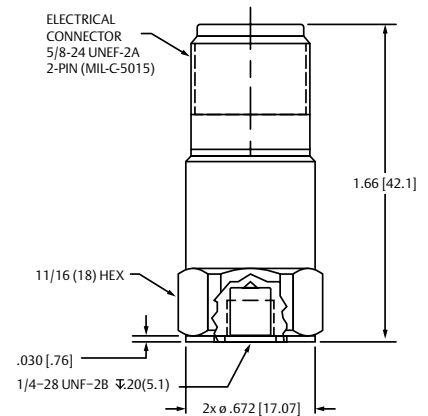
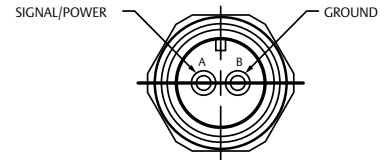


# Industrial Accelerometer



Dynamic Performance	
Sensitivity (±10%)	100 mV/g (10.2 mV/m/s <sup>2</sup> )
Measurement Range	±50 g (±490 m/s <sup>2</sup> )
Frequency Range (±3 dB)	0.50 to 10000 Hz (30 to 600,000 cpm)
Mounted Resonant Frequency	25 kHz Nominal
Amplitude Linearity	±1% (0 Based, Least Squares, Straight Line)
Transverse Sensitivity	≤7%
Environmental	
Shock Limit	5000g pk (49050 m/s <sup>2</sup> )
Temperature Range	-54 to 121°C (-65 to 250°F)
Sealing / Rating	Welded Hermetic / IP68
Agency Ratings (all standard)	CE Cl 1 Div 1 (Groups A, B, C, D), CLII Div 1 (Groups E, F, G), CLIII Div1 Cl 1 Div 2 (Groups A, B, C, D), ExnL IIC T4, AExnA IIC T4 EEx nL IIC T4, 40° ≤ Ta ≤ 121°C, II 1 G EEx nL IIC T4, 40° ≤ Ta ≤ 121°C, II 3 G
Electrical	
Settling Time	≤2 sec (Within 1% of Bias)
Discharge Time Constant	≥0.3 sec
Excitation Voltage / Current / Bias	18 to 28 VDC / 2 to 20 mA / 8 to 12 VDC
Output Impedance	<150 ohms
Broadband Resolution (1 to 10 kHz)	350 μg (3434 μm/s <sup>2</sup> ) Electrical Noise
Case Isolation	>10 <sup>8</sup> ohms



Mechanical	
Weight	51 grams (1.8 oz)
Mounting Thread	¼-28 UNF-2B
Mounting Torque	2.7 to 6.8 Nm (2 to 5 lb ft)
Sensor Element / Geometry	Ceramic / Shear
Case Material / Connector	Stainless Steel / Top C5015
Supplied Accessories	
Single Point Calibration at 100 Hz	
¼-28 Mounting Stud	

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