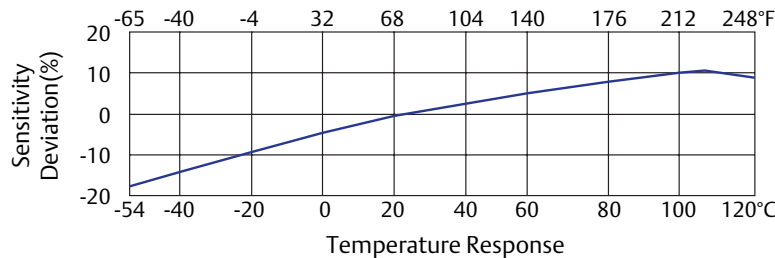
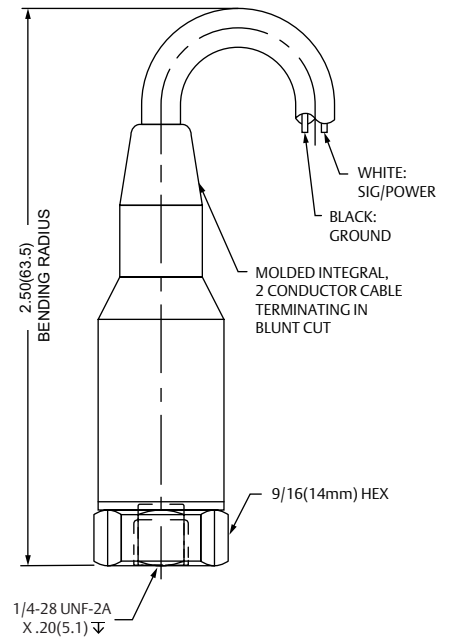


# Industrial Accelerometer

Dynamic Performance	
Sensitivity ( $\pm 10\%$ )	100 mV/g (10.2 mV/m/s <sup>2</sup> )
Measurement Range	$\pm 50$ g ( $\pm 490$ m/s <sup>2</sup> )
Frequency Range ( $\pm 3$ dB)	0.50 to 10,000 Hz (30 to 600,000 cpm)
Mounted Resonant Frequency	22 kHz Nominal
Amplitude Linearity	$\pm 1\%$ (0 Based, Least Squares, Straight Line)
Transverse Sensitivity	$\leq 7\%$
Environmental	
Shock Limit	5,000g pk (49,050 m/s <sup>2</sup> )
Temperature Range	-54 to 121°C (-65 to 250°F)
Temperature Response	See Graph
Sealing / Rating	Molded / IP68
Electrical	
Settling Time	$\leq 2.0$ sec (Within 1% of Bias)
Discharge Time Constant	$\geq 0.3$ sec
Excitation Voltage / Current	18 to 24 VDC / 2.0 to 20 mA
Output Bias	8 to 12 VDC
Output Impedance	<150 ohms
Broadband Resolution (1 to 10 KHz)	350 $\mu$ g (3,434 $\mu$ m/s <sup>2</sup> ) Electrical Noise
Case Isolation	$>10^8$ ohms
Mechanical	
Weight	99.3 grams (3.5 oz) Sensor & Stud Only
Mounting Stud / Torque	1/4-28 UNF-2B / 2.7 to 6.8 Nm (2 to 5 lb ft)
Sensor Element / Geometry	Ceramic / Shear
Case Material	Stainless Steel
Connector Type (Top)	Molded Integral Cable (See Versions)



Supplied Accessories	
Three Point Calibration	
¼-28 Mounting Stud	
Versions	
1. A0322LC	Yellow Jacket 3 m (10') Cable
2. A0322LC-1	Yellow Jacket 9 m (30') Cable
3. A0322LC-2	Yellow Jacket 15 m (50') Cable
4. A0322LC-1-EX	Yellow Jacket, 9 m (30') Cable, Hazardous Area Approved

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