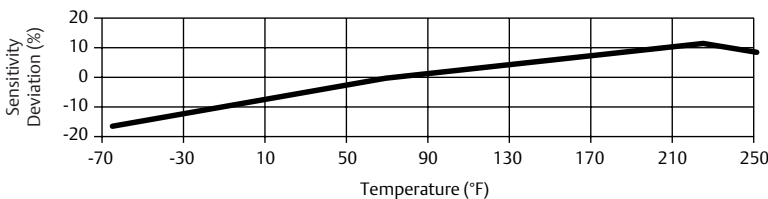
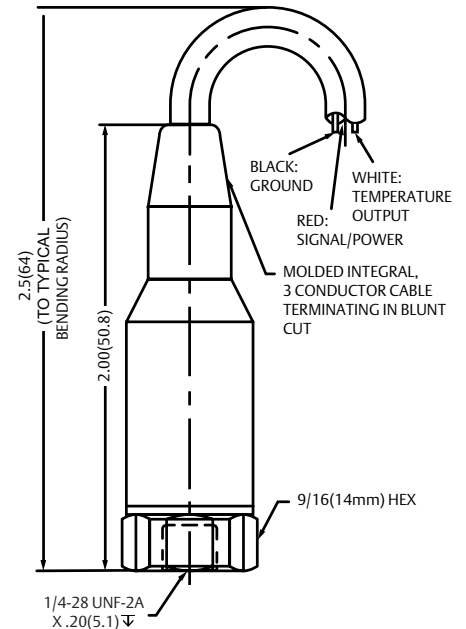


Industrial Accelerometer with Temperature

Dynamic Performance	
Temperature Sensitivity	10 mV/°C
Acceleration Sensitivity (±10%)	100 mV/g (10.2 mV/m/s ²)
Measurement Range	±50 g (±490 m/s ²)
Frequency Range (±3 dB)	0.50 to 10,000 Hz (30 to 600,000 cpm)
Mounted Resonant Frequency	22 kHz Nominal
Amplitude Linearity	±1% (0 Based, Least Squares, Straight Line)
Transverse Sensitivity	≤7%
Environmental	
Shock Limit	5,000g pk (49,050 m/s ²)
Temperature Range	-54 to 121°C (-65 to 250°F)
Temperature Response	See Graph
Sealing / Rating	Molded / IP68
Electrical	
Settling Time	≤2.0 sec (Within 1% of Bias)
Discharge Time Constant	≥0.3 sec
Excitation Voltage / Current	18 to 28 VDC / 2.0 to 20 mA
Output Bias	8 to 12 VDC
Output Impedance	<150 ohms
Broadband Resolution (1 to 10 KHz)	350 μg (3,434 μm/s ²) Electrical Noise
Case Isolation	>10 ⁸ ohms



Mechanical	
Weight	23 grams (0.81 oz) Sensor & Stud Only
Mounting Stud / Torque	¼-28 UNF-2A / 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	
Mounting Stud	
Versions	
1. A0322DS	Red 3 m (10') Cable
2. A0322DS-1	Red 9 m (30') Cable

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