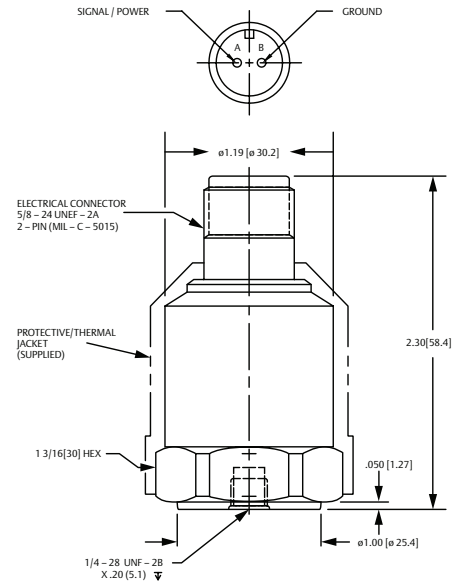


High Temperature Industrial Accelerometer

| Dynamic Performance | |
|------------------------------------|--|
| Sensitivity (±5%) | 100 mV/g (10.2 mV/m/s ²) |
| Measurement Range | ±50 g (±490 m/s ²) |
| Frequency Range: | (±5%) 0.50 to 5,000 Hz (30 to 300,000 cpm) |
| | (±10%) 0.37 to 7,000 Hz (22 to 420,000 cpm) |
| | (±3 dB) 0.20 to 10,000 Hz (12 to 600,000 cpm) |
| Mounted Resonant Frequency | 23,000 Hz Nominal |
| Amplitude Linearity | ±1% (0 Based Straight Line Method) |
| Transverse Sensitivity | ≤5% |
| Environmental | |
| Shock Limit | 5,000g pk (49,050 m/s ²) |
| Temperature Range | -54 to 163°C (-65 to 325°F) |
| Temperature Response | See Graph |
| Sealing | Welded Hermetic |
| Enclosure Rating | IP68 |
| Electrical | |
| Settling Time | ≤5 sec (Within 1% Output Bias) |
| Discharge Time Constant | ≥1.0 sec |
| Excitation Voltage / Current | 18 to 28 VDC / 2 to 20 mA |
| Output Impedance | <100 ohms |
| Output Bias | 8 to 12 VDC |
| Broadband Resolution (1 to 10 KHz) | 100 μg (981 μm/s ²) Electrical Noise |
| Case Isolation | >10 ⁸ ohms |
| Protection | RFI/ESD |



| Mechanical | |
|----------------------------|------------------------------|
| Weight | 150 grams (5.3 oz) |
| Mounting Thread | ¼-28 UNF |
| Mounting Torque | 2.7 to 6.8 Nm (2 to 5 lb ft) |
| Sensor Element / Geometry | Ceramic / Shear |
| Case Material | Stainless Steel |
| Connector Type (Top) | MIL-C-5015, 2 Pin |
| Supplied Accessories | |
| Multiple Point Calibration | |
| ¼-28 Mounting Stud | |

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