
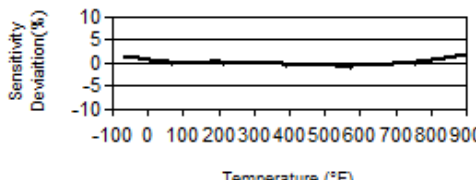





Model Number EX600B14	VERY HIGH TEMPERATURE INDUSTRIAL ICP® ACCELEROMETER			Revision: B ECN #: 46623
Performance Sensitivity(± 5 %) Measurement Range(Peak) Frequency Range(± 5 %) Frequency Range(± 10 %) Resonant Frequency Broadband Resolution(1 to 10,000 Hz) Non-Linearity Transverse Sensitivity	ENGLISH 10 mV/g ± 500 g 282 to 210,000 cpm 204 to 300,000 cpm 1200 kcpm 4 mg ± 1 % <5 %	SI 1.02 mV/(m/s ²) ± 4900 m/s ² 4.7 to 3500 Hz 3.4 to 5000 Hz 20 kHz 39 mm/s ² ± 1 % <5 %	[2] [3][4] [1] [1][2] [5]	OPTIONAL VERSIONS Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.
Environmental Overload Limit(Shock) Temperature Range(Accelerometer) Temperature Range(Charge Amplifier) Temperature Response Base Strain Sensitivity	1000 g pk -65 to +900 °F -60 to +250 °F See Graph ≤ 0.01 g/με	9810 m/s ² pk -54 to +482 °C -51 to +121 °C See Graph ≤ 0.1 (m/s ²)/με	[2] [1] [2]	
Electrical Settling Time(at 70 °F within 1% of bias) Discharge Time Constant Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Spectral Noise(10 Hz) Spectral Noise(100 Hz) Spectral Noise(1 kHz) Electrical Isolation	≤ 1.0 sec ≥ .10 sec 22 to 28 VDC 2.2 to 20 mA <1000 Ohm 12 to 16 VDC 260 μg/√Hz 60 μg/√Hz 30 μg/√Hz >10 ⁸ Ohm	≤ 1.0 sec ≥ .10 sec 22 to 28 VDC 2.2 to 20 mA <1000 Ohm 12 to 16 VDC 2550 (μm/sec ²)/√Hz 590 (μm/sec ²)/√Hz 295 (μm/sec ²)/√Hz >10 ⁸ Ohm	[1] [1] [1] [1][2] [1][2] [1][2]	NOTES: [1] Typical value. [2] Conversion Factor 1g = 9.81 m/s ² . [3] 1Hz = 60 cpm (cycles per minute). [4] The high frequency tolerance is accurate within ±10% of the specified frequency. [5] Zero-based, least-squares, straight line method. [6] See PCB Declaration of Conformance PS116 for details.
Physical Size (Diameter x Height) Weight(with cable) Mounting Sensing Element Sensing Geometry Housing Material Sealing Electrical Connector Electrical Connection Position Cable Length Cable Type	1.5 in x 0.75 in 10.5 oz Through Holes (3) UHT-12™ Shear Inconel Welded Hermetic 2-Pin MIL-C-5015 Side 10 ft Integral Hardline	38.1 mm x 19.1 mm 300 gm Through Holes (3) UHT-12™ Shear Inconel Welded Hermetic 2-Pin MIL-C-5015 Side 3 m Integral Hardline		
 [6]	<p style="text-align: center;">Typical Sensitivity Deviation vs Temperature</p> 			SUPPLIED ACCESSORIES: Model 081A99 Cap Screw (3) Model ICS-1 NIST-traceable single-axis amplitude response calibration from 600 cpm (10 Hz) to upper 5% frequency (1)
  <p>All specifications are at room temperature unless otherwise specified. In the interest of constant product improvement, we reserve the right to change specifications without notice. ICP® is a registered trademark of PCB Group, Inc.</p>	<p style="text-align: center;">Entered: LK Engineer: GJR Sales: JC Approved: BAM Spec Number:</p> <p style="text-align: center;">Date: 3/30/2017 Date: 3/30/2017 Date: 3/30/2017 Date: 3/30/2017 49364</p>			 <p>IMI SENSORS A PCB PIEZOTRONICS DIV. 3425 Walden Avenue, Depew, NY 14043</p> <p style="text-align: right;"> Phone: 800-959-4464 Fax: 716-684-3823 E-Mail: imi@pcb.com </p>