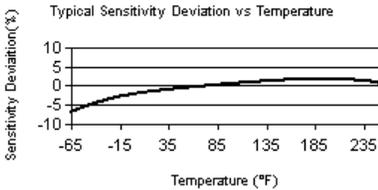


Model Number 622B01	<b>PLATINUM PRECISION INDUSTRIAL ICP® ACCELEROMETER</b>		Revision NR ECN #:										
<b>Performance</b> Sensitivity (±5 %) Measurement Range Frequency Range (±5 %) Frequency Range (±10 %) Frequency Range (±3 dB) Resonant Frequency Broadband Resolution (1 to 10000 Hz) Non-Linearity Transverse Sensitivity	<b>ENGLISH</b> 100 mV/g ±50 g 35 to 360000 cpm 25 to 600000 cpm 12 to 900000 cpm 1800 kcpm 50 µg ±1 % ≤5 %	<b>SI</b> 10.2 mV/(m/s <sup>2</sup> ) ±490 m/s <sup>2</sup> 0.58 to 6000 Hz 0.42 to 10000 Hz 0.2 to 15000 Hz 30 kHz 490 µm/sec <sup>2</sup> ±1 % ≤5 %	<b>Optional Versions</b> (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) <b>M</b> - Metric Mount Supplied Accessory: Model M081A61 Mounting stud, 1/4-28 to M6 x 1 <b>Notes</b> [1] Typical. [2] Conversion Factor 1g = 9.81 m/s <sup>2</sup> . [3] The high frequency tolerance is accurate within ±10% of the specified frequency. [4] Zero-based, least-squares, straight line method. [5] 1/4-28 has no equivalent in S.I. units. [6] See PCB Declaration of Conformance PS023 for details.										
<b>Environmental</b> Overload Limit (Shock) Temperature Range Enclosure Rating	5000 g pk -65 to +250 °F IP68	49050 m/s <sup>2</sup> pk -54 to +121 °C IP68											
<b>Electrical</b> Settling Time (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 Protection Electrical Isolation	≤5.0 sec ≥0.8 sec 18 to 28 VDC 2 to 20 mA <100 Ohm 8 to 12 VDC 4.0 µg/√Hz 0.8 µg/√Hz 0.4 µg/√Hz RFI/ESD >10 <sup>8</sup> Ohm	≤5.0 sec ≥0.8 sec 18 to 28 VDC 2 to 20 mA <100 Ohm 8 to 12 VDC 39.2 (µm/sec <sup>2</sup> /√Hz) 7.85 (µm/sec <sup>2</sup> /√Hz) 3.92 (µm/sec <sup>2</sup> /√Hz) RFI/ESD >10 <sup>8</sup> Ohm	<b>Supplied Accessories</b> 081A40 Mounting Stud (1) ICS-1 NIST-traceable single-axis amplitude response calibration from 600 cpm (10 Hz) to upper 5% frequency (1)										
<b>Physical</b> Size (Hex x Height) Weight Mounting Thread Mounting Torque Sensing Element Sensing Geometry Housing Material Sealing Electrical Connector Electrical Connection Position	7/8 in x 2.06 in 3.3 oz 1/4-28 Female 2 to 5 ft-lb Ceramic Shear Stainless Steel Welded Hermetic 2-Pin MIL-C-5015 Top	22 mm x 52.3 mm 94 gm No Metric Equivalent 2.7 to 6.8 Nm Ceramic Shear Stainless Steel Welded Hermetic 2-Pin MIL-C-5015 Top											
 <p data-bbox="121 1421 1073 1515"> 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 data-bbox="661 1149 1039 1339"> Caption: Typical Sensitivity Deviation vs Temperature  The graph shows Sensitivity Deviation (%) on the y-axis (ranging from -10 to 10) versus Temperature (°F) on the x-axis (ranging from -65 to 235). The curve shows a slight increase in sensitivity deviation as temperature increases, starting near 0% at -65°F and reaching approximately 5% at 235°F. </p>		<table border="1" data-bbox="1129 1149 2011 1226"> <tr> <td>Entered: LLH</td> <td>Engineer: JJD</td> <td>Sales: NJF</td> <td>Approved: LLH</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 03/30/2007</td> <td>Date: 03/30/2007</td> <td>Date: 04/02/2007</td> <td>Date: 04/02/2007</td> <td>35885</td> </tr> </table>  <p data-bbox="1570 1250 1879 1421"> 3425 Walden Avenue  Depew, NY 14043  UNITED STATES  Phone: 716-684-0003  Fax: 716-684-3823  E-mail: imi@pcb.com  Web site: www.imi-sensors.com </p>	Entered: LLH	Engineer: JJD	Sales: NJF	Approved: LLH	Spec Number:	Date: 03/30/2007	Date: 03/30/2007	Date: 04/02/2007	Date: 04/02/2007	35885
Entered: LLH	Engineer: JJD	Sales: NJF	Approved: LLH	Spec Number:									
Date: 03/30/2007	Date: 03/30/2007	Date: 04/02/2007	Date: 04/02/2007	35885									

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