

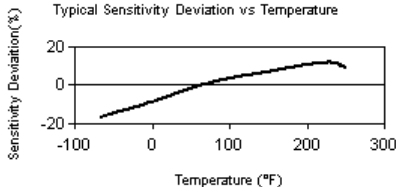



Model Number 602D01	PLATINUM LOW-COST INDUSTRIAL ICP® ACCELEROMETER		Revision B ECN #: 25657										
<b>Performance</b> Sensitivity (±10 %) Measurement Range Frequency Range (±3 dB) Resonant Frequency Broadband Resolution Non-Linearity Transverse Sensitivity	<b>ENGLISH</b> 100 mV/g ±50 g 30 to 480000 cpm 1500 kcpm 350 µg ±1 % ≤7 %	<b>SI</b> 10.2 mV/(m/s <sup>2</sup> ) ±490 m/s <sup>2</sup> 0.5 to 8000 Hz 25 kHz 3434 µm/sec <sup>2</sup> ±1 % ≤7 %	<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>EX</b> - Hazardous Area Approval- contact factory for specific approvals Hazardous Area Approval      Exia IIC T4, AExia IIC, T4      Exia IIC T4, AExia IIC, T4 Hazardous Area Approval      EEx nL IIC T4, - 40°C≤Ta≤121°C, II 3 G      EEx nL IIC T4, - 40°C≤Ta≤121°C, II 3 G Hazardous Area Approval      EEx nL IIC T4, - 40°C≤Ta≤121°C, II 1 G      EEx nL IIC T4, - 40°C≤Ta≤121°C, II 1 G Hazardous Area Approval      Cl I, Div I, Groups A, B, C, D; Cl II, Div I, Groups E, F, G; Cl III, Div I      Cl I, Div I, Groups A, B, C, D; Cl II, Div I, Groups E, F, G; Cl III, Div I Hazardous Area Approval      Cl I, Div 2, Groups A, B, C, D; ExnL IIC T4, AExnA IIC T4      Cl I, Div 2, Groups A, B, C, D; ExnL IIC T4, AExnA IIC T4										
<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 Isolation (Case)	≤2.0 sec ≥0.3 sec 18 to 28 VDC 2 to 20 mA <150 Ohm 8 to 12 VDC 8.0 µg/√Hz 5 µg/√Hz 4 µg/√Hz >10 <sup>8</sup> Ohm	≤2.0 sec ≥0.3 sec 18 to 28 VDC 2 to 20 mA <150 Ohm 8 to 12 VDC 78.5 (µm/sec <sup>2</sup> /√Hz) 49.1 (µm/sec <sup>2</sup> /√Hz) 39.2 (µm/sec <sup>2</sup> /√Hz) >10 <sup>8</sup> Ohm	 <b>M</b> - Metric Mount Supplied Accessory: Model M081A97 Mounting bolt, M6x1 (for Series M602C accelerometers) <b>TO</b> - Temperature Output Temperature Output Range      +36 to +250 °F      +2 to +121 °C Temperature Scale Factor      5.56 mV/°F + 32      (+10 mV/°C) Electrical Connector      3-Pin      3-Pin Electrical Connections (Pin A)      Acceleration Output      Acceleration Output Electrical Connections (Pin B)      Ground      Ground Electrical Connections (Pin C)      Temperature Output      Temperature Output										
<b>Physical</b> Size (Length x Width x Height) Weight Mounting Thread Mounting Torque Sensing Element Sensing Geometry Housing Material Sealing Electrical Connector Electrical Connection Position	1.65 in x 0.74 in x 0.845 in 2.61 oz 1/4-28 Male 2 to 5 ft-lb Ceramic Shear Stainless Steel Welded Hermetic 2-Pin MIL-C-5015 Side	41.9 mm x 18.8 mm x 21.5 mm 74.0 gm No Metric Equivalent 2.7 to 6.8 Nm Ceramic Shear Stainless Steel Welded Hermetic 2-Pin MIL-C-5015 Side	 <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 or PS060 for details.										
 [6]   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>Typical Sensitivity Deviation vs Temperature</p> <p>The graph shows Sensitivity Deviation (%) on the y-axis (ranging from -20 to 20) versus Temperature (°F) on the x-axis (ranging from -100 to 300). The curve starts at approximately -15% at -100°F and rises to about 10% at 300°F.</p>		<b>Supplied Accessories</b> 081A97 Thru bolt 1/4-28 (1) <table border="1" data-bbox="1129 1224 2011 1300"> <tr> <td>Entered: LLH</td> <td>Engineer: JEC</td> <td>Sales: NJF</td> <td>Approved: LLH</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 01/29/2007</td> <td>Date: 01/31/2007</td> <td>Date: 01/31/2007</td> <td>Date: 02/02/2007</td> <td>29429</td> </tr> </table>  <p><b>IMI SENSORS</b> A PCB PIEZOTRONICS DIV.</p> <p>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: JEC	Sales: NJF	Approved: LLH	Spec Number:	Date: 01/29/2007	Date: 01/31/2007	Date: 01/31/2007	Date: 02/02/2007	29429
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