
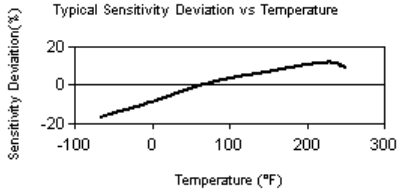



Model Number 603C00	LOW-COST INDUSTRIAL ICP® ACCELEROMETER		Revision B ECN #: 30750										
Performance Sensitivity (±20 %) [2] Measurement Range Frequency Range (±3 dB) [3] Resonant Frequency [1] Broadband Resolution (1 to 10000 Hz) [1] Non-Linearity [4] Transverse Sensitivity	ENGLISH 10 mV/g ±500 g 30 to 600000 cpm 1500 kcpm 2000 µg ±1 % ≤7 %	SI 1.02 mV/(m/s ²) [2] ±4905 m/s ² 0.5 to 10000 Hz [3] 25 kHz [1] 19620 µm/sec ² [1] ±1 % [4] ≤7 %	Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) EX - Hazardous Area Approval- contact factory for specific approvals Hazardous Area Approval Hazardous Area Approval Hazardous Area Approval Hazardous Area Approval Hazardous Area Approval Hazardous Area Approval										
Environmental Overload Limit (Shock) Temperature Range Temperature Response Enclosure Rating	5000 g pk -65 to +250 °F See Graph IP68	49050 m/s ² pk -54 to +121 °C See Graph IP68	CI I, Div 2, Groups A, B, C, D; ExnL IIC T4, AExnA IIC T4 CI I, Div 2, Groups A, B, C, D; ExnL IIC T4, AExnA IIC T4 EEx ia IIC T4, -40°C≤Ta≤21°C, II 1 G EEx ia IIC T4, -40°C≤Ta≤21°C, II 1 G CI I, Div I, Groups A, B, C, D; CI II, Div I, Groups E, F, G; CI III, Div I CI I, Div I, Groups A, B, C, D; CI II, Div I, Groups E, F, G; CI III, Div I EEx ia IIC T4, AExia IIC, T4 EEx ia IIC T4, -40°C≤Ta≤121°C, II 3 G EEx ia IIC T4, -40°C≤Ta≤121°C, II 3 G										
Electrical 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)	≤3.0 sec ≥0.4 sec 18 to 28 VDC 2 to 20 mA <150 ohm 8 to 12 VDC 85 µg/√Hz 20 µg/√Hz 5 µg/√Hz >10 ⁸ ohm	≤3.0 sec ≥0.4 sec 18 to 28 VDC 2 to 20 mA <150 ohm 8 to 12 VDC 834 (µm/sec ²)/√Hz [1] 196 (µm/sec ²)/√Hz [1] 49.1 (µm/sec ²)/√Hz [1] >10 ⁸ ohm	M - Metric Mount Supplied Accessory: Model M081A61 Mounting stud, 1/4-28 to M6 x 1 Notes [1] Typical. [2] Conversion Factor 1g = 9.81 m/s ² . [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.										
Physical Size (Hex x Height) Weight Mounting Thread Mounting Torque Sensing Element Sensing Geometry Housing Material Sealing Electrical Connector Electrical Connection Position	11/16 in x 1.65 in 1.8 oz 1/4-28 Female 2 to 5 ft-lb Ceramic Shear Stainless Steel Welded Hermetic 2-Pin MIL-C-5015 Top	18 mm x 42.2 mm 51 gm Not Applicable 2.7 to 6.8 N-m Ceramic Shear Stainless Steel Welded Hermetic 2-Pin MIL-C-5015 Top	Supplied Accessories 081A40 Mounting Stud (1)										
 [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, rises to 0% at 0°F, and continues to rise to about 15% at 250°F, then slightly declines to 10% at 300°F.</p>		<table border="1" data-bbox="1129 1101 2011 1179"> <tr> <td>Entered: LLH</td> <td>Engineer: JEC</td> <td>Sales: EB</td> <td>Approved: LLH</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 05/27/2009</td> <td>Date: 05/18/2009</td> <td>Date: 05/18/2009</td> <td>Date: 06/10/2009</td> <td>20788</td> </tr> </table>  <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: EB	Approved: LLH	Spec Number:	Date: 05/27/2009	Date: 05/18/2009	Date: 05/18/2009	Date: 06/10/2009	20788
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