
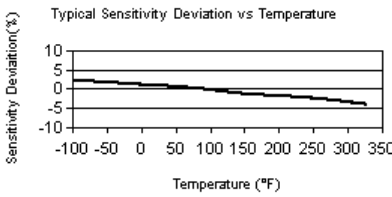


Model Number 320C03	<b>ACCELEROMETER, ICP®</b>		Revision E ECN #: 35369										
<b>Performance</b> Sensitivity (±10 %) Measurement Range Frequency Range (±5 %) Frequency Range (±10 %) Frequency Range (±3 dB) Resonant Frequency Broadband Resolution (1 to 10000 Hz) Non-Linearity Transverse Sensitivity	<b>ENGLISH</b> 10 mV/g ±500 g pk 1 to 6000 Hz 0.7 to 9000 Hz 0.35 to 15000 Hz ≥35 kHz 0.003 g rms ≤1 % ≤5 %	<b>SI</b> 1.02 mV/(m/s²) ±4900 m/s² pk 1 to 6000 Hz 0.7 to 9000 Hz 0.35 to 15000 Hz ≥35 kHz 0.03 m/s² rms ≤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>J - Ground Isolated</b> Frequency Range (5 %) Frequency Range (10 %) Frequency Range (3 dB) Resonant Frequency Electrical Isolation (Base)  <b>W - Water Resistant Cable</b> Electrical Connector  Electrical Connection Position  <b>Notes</b> [1] Typical. [2] Zero-based, least-squares, straight line method. [3] Transverse sensitivity is typically ≤= 3%. [4] See PCB Declaration of Conformance PS023 for details.										
<b>Environmental</b> Overload Limit (Shock) Temperature Range (Operating) Temperature Response Base Strain Sensitivity	±10000 g pk -100 to +325 °F See Graph ≤0.0005 g/με	±98100 m/s² pk -73 to +163 °C See Graph ≤0.005 (m/s²)/με	Sealed Integral Cable Sealed Integral Cable Side Side										
<b>Electrical</b> Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Discharge Time Constant Settling Time (within 10% of bias) Spectral Noise (1 Hz) Spectral Noise (10 Hz) Spectral Noise (100 Hz) Spectral Noise (1 kHz)	18 to 30 VDC 2 to 20 mA ≤100 ohm 8 to 12 VDC 0.5 to 2.6 sec <7 sec 2800 μg/√Hz 700 μg/√Hz 180 μg/√Hz 64 μg/√Hz	18 to 30 VDC 2 to 20 mA ≤100 ohm 8 to 12 VDC 0.5 to 2.6 sec <7 sec 27468 (μm/sec²)/√Hz 6867 (μm/sec²)/√Hz 1766 (μm/sec²)/√Hz 628 (μm/sec²)/√Hz	<b>Supplied Accessories</b> 080A109 Petro Wax (1) 081B05 Mounting Stud (10-32 to 10-32) (1) ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1) M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)										
<b>Physical</b> Sensing Element Sensing Geometry Housing Material Sealing Size (Hex x Height) Weight Electrical Connector Electrical Connection Position Mounting Thread Mounting Torque	Quartz Shear Titanium Welded Hermetic 0.50 in x 0.81 in 0.38 oz 10-32 Coaxial Jack Side 10-32 Female 10 to 20 in-lb	Quartz Shear Titanium Welded Hermetic 12.7 mm x 20.6 mm 10.5 gm 10-32 Coaxial Jack Side 10-32 Female 113 to 225 N-cm	[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>Typical Sensitivity Deviation vs Temperature</p> <p>The graph shows Sensitivity Deviation (%) on the y-axis (ranging from -10 to 10) versus Temperature (°F) on the x-axis (ranging from -100 to 350). The data points show a slight downward trend, starting near 0% at -100°F and reaching approximately -5% at 350°F.</p>		<table border="1"> <tr> <td>Entered: DMW</td> <td>Engineer: BAM</td> <td>Sales: WDC</td> <td>Approved: EB</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 03/25/2011</td> <td>Date: 03/25/2011</td> <td>Date: 03/25/2011</td> <td>Date: 03/25/2011</td> <td><b>9976</b></td> </tr> </table> <p><b>PCB PIEZOTRONICS®</b> VIBRATION DIVISION</p> <p>3425 Walden Avenue Depew, NY 14043 UNITED STATES Phone: 888-684-0013 Fax: 716-685-3886 E-mail: vibration@pcb.com Web site: www.pcb.com</p>	Entered: DMW	Engineer: BAM	Sales: WDC	Approved: EB	Spec Number:	Date: 03/25/2011	Date: 03/25/2011	Date: 03/25/2011	Date: 03/25/2011	<b>9976</b>
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