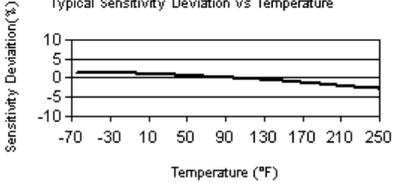


Model Number 301A10	ICP® ACCELEROMETER		Revision G ECN #: 24507								
<b>Performance</b> Sensitivity (±2.0 %) Measurement Range Frequency Range (±5 %) Frequency Range (±10 %) Frequency Range (±3 dB) Resonant Frequency Broadband Resolution Non-Linearity Transverse Sensitivity	<b>ENGLISH</b> 100 mV/g ±50 g pk 0.5 to 10000 Hz 0.3 to 14000 Hz 0.2 to 20000 Hz ≥35 kHz 0.004 g rms ≤1 % ≤3 %	<b>SI</b> 10.2 mV/(m/s <sup>2</sup> ) ±490 m/s <sup>2</sup> pk 0.5 to 10000 Hz 0.3 to 14000 Hz 0.2 to 20000 Hz ≥35 kHz 0.039 m/s <sup>2</sup> rms ≤1 % ≤3 %	<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 [4]  <b>Notes</b> [1] Typical. [2] Zero-based, least-squares, straight line method. [3] See PCB Declaration of Conformance PS023 for details. [4] Sensitivity referenced at 159.2 Hz.								
<b>Environmental</b> Overload Limit Temperature Range	±5000 g pk -65 to 250 °F	±49050 m/s <sup>2</sup> pk -54 to 121 °C									
<b>Electrical</b> Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Discharge Time Constant Settling Time (within 10% of bias) Spectral Noise (10 Hz)  Spectral Noise (100 Hz)  Spectral Noise (1 kHz)	23 to 30 VDC 2 to 20 mA <100 11 to 17 VDC 2.0 to 5.0 sec <12.0 sec 65 µg/&#8730;Hz  20 µg/&#8730;Hz  15 µg/&#8730;Hz	23 to 30 VDC 2 to 20 mA <100 11 to 17 VDC 2.0 to 5.0 sec <12.0 sec 638 (µm/sec <sup>2</sup> /&#8730;Hz) 196 (µm/sec <sup>2</sup> /&#8730;Hz) 147 (µm/sec <sup>2</sup> /&#8730;Hz)	<b>Supplied Accessories</b> 081A08 Mounting Stud (10-32 to 1/4-28) (2) 081B20 Mounting Stud, with shoulder (1/4-28 to 1/4-28) (2) ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1) ACS-4 Single axis, low frequency phase and amplitude response cal from 0.5 to 10 Hz (1) M081B20 Mounting Stud 1/4-28 to M6 X 0.75 (2)								
<b>Physical</b> Size (Height) Weight Sensing Element Size (Hex) Sensing Geometry Housing Material  Sealing Electrical Connector Electrical Connection Position Mounting Thread (Shaker Mount) Mounting Thread (Unit Under Test Mount)	1 1/2 in 6.2 oz Quartz 1 3/16 in Shear 316L Stainless Steel Welded Hermetic 10-32 Coaxial Jack Side 1/4-28 Female 1/4-28 Female	38.1 mm 176 gm Quartz 30.2 mm Shear 316L Stainless Steel Welded Hermetic 10-32 Coaxial Jack Side 1/4-28 Female 1/4-28 Female									
	<p style="text-align: center;">Typical Sensitivity Deviation vs Temperature</p> 		<table border="1" data-bbox="1129 1149 2011 1226"> <tr> <td>Entered: JJB</td> <td>Engineer: BAM</td> <td></td> <td>Spec Number:</td> </tr> <tr> <td>Date: 06/26/2006</td> <td>Date: 06/26/2006</td> <td></td> <td>2831</td> </tr> </table> <p data-bbox="1138 1250 1522 1318">  </p> <p data-bbox="1570 1250 1801 1421"> 3425 Walden Avenue  Depew, NY 14043  UNITED STATES  Phone: 800-828-8840  Fax: 716-684-0987  E-mail: info@pcb.com  Web site: www.pcb.com </p>	Entered: JJB	Engineer: BAM		Spec Number:	Date: 06/26/2006	Date: 06/26/2006		2831
Entered: JJB	Engineer: BAM		Spec Number:								
Date: 06/26/2006	Date: 06/26/2006		2831								
<p><i>All specifications are at room temperature unless otherwise specified.</i>  In the interest of constant product improvement, we reserve the right to change specifications without notice.</p>											

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