
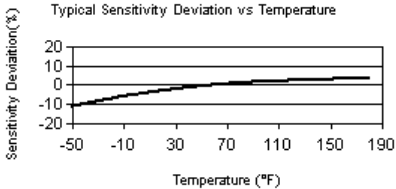



Model Number 393B12	<b>ACCELEROMETER, ICP<sup>®</sup>, SEISMIC</b>		Revision J ECN #: 25881								
<b>Performance</b> Sensitivity (±10 %) Measurement Range Frequency Range (±5 %) Frequency Range (±10 %) Frequency Range (±3 dB) Resonant Frequency Phase Response (±5 °) Broadband Resolution (1 to 10000 Hz) Non-Linearity Transverse Sensitivity	<b>ENGLISH</b> 10000 mV/g 0.5 g pk 0.15 to 1000 Hz 0.10 to 2000 Hz 0.05 to 4000 Hz ≥10 kHz 1 to 1000 Hz 0.000008 g rms ≤1 % ≤7.0 %	<b>SI</b> 1019.4 mV/(m/s <sup>2</sup> ) 4.9 m/s <sup>2</sup> pk 0.15 to 1000 Hz 0.10 to 2000 Hz 0.05 to 4000 Hz ≥10 kHz 1 to 1000 Hz 0.00008 m/s <sup>2</sup> rms ≤1 % ≤7.0 %	<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>Notes</b> [1] Typical. [2] Zero-based, least-squares, straight line method. [3] See PCB Declaration of Conformance PS023 for details.								
<b>Environmental</b> Overload Limit (Shock) Temperature Range Base Strain Sensitivity	±5000 g pk -50 to +180 °F ≤0.0005 g/με	±49050 m/s <sup>2</sup> pk -45 to +82 °C ≤0.005 (m/s <sup>2</sup> )/με	<b>Supplied Accessories</b> 081B20 Mounting Stud, with shoulder (1/4-28 to 1/4-28) (1) 085A31 Protective Thermal Jacket (1) 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 (1)								
<b>Electrical</b> Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Discharge Time Constant Settling Time Spectral Noise (1 Hz) Spectral Noise (10 Hz) Spectral Noise (100 Hz) Spectral Noise (1 kHz) Electrical Isolation (Case)	18 to 30 VDC 2 to 20 mA <1500 Ohm 8 to 12 VDC ≥3.5 sec <60 sec 1.30 μg/√Hz 0.32 μg/√Hz 0.13 μg/√Hz 0.10 μg/√Hz ≥10 <sup>8</sup> Ohm	18 to 30 VDC 2 to 20 mA <1500 Ohm 8 to 12 VDC ≥3.5 sec <60 sec 12.7 (μm/sec <sup>2</sup> )/√Hz 3.1 (μm/sec <sup>2</sup> )/√Hz 1.3 (μm/sec <sup>2</sup> )/√Hz 1.0 (μm/sec <sup>2</sup> )/√Hz ≥10 <sup>8</sup> Ohm	[1] [2]      [1] [1] [1] [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	Ceramic Shear Stainless Steel Hermetic 1 3/16 in x 2 3/16 in  7.4 oz 2-Pin MIL-C-5015 Top 1/4-28 Female 2 to 5 ft-lb	Ceramic Shear Stainless Steel Hermetic 30.2 mm x 55.6 mm  210 gm 2-Pin MIL-C-5015 Top 1/4-28 Female 2.7 to 6.8 Nm	[1]								
			<table border="1" data-bbox="1129 1174 2011 1271"> <tr> <td>Entered: GLB</td> <td>Engineer: WDC</td> <td>Sales: BAM</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 02/23/2007</td> <td>Date: 02/23/2007</td> <td>Date: 02/23/2007</td> <td><b>393-2120-80</b></td> </tr> </table>  <p data-bbox="1570 1300 1801 1466"> 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: GLB	Engineer: WDC	Sales: BAM	Spec Number:	Date: 02/23/2007	Date: 02/23/2007	Date: 02/23/2007	<b>393-2120-80</b>
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*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.

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