
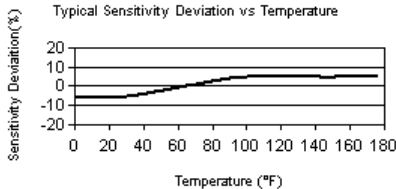



Model Number 393B05	ACCELEROMETER, ICP[®], SEISMIC		Revision H ECN #: 29253									
Performance Sensitivity (±10 %) 10 V/g Measurement Range 0.5 g pk Frequency Range (±5 %) 0.7 to 450 Hz Frequency Range (±10 %) 0.5 to 750 Hz Frequency Range (±3 dB) 0.2 to 1700 Hz Resonant Frequency ≥2.5 kHz Broadband Resolution (1 to 10000 Hz) 0.000004 g rms Non-Linearity ≤1 % Transverse Sensitivity ≤5 %	ENGLISH 10 V/g 0.5 g pk 0.7 to 450 Hz 0.5 to 750 Hz 0.2 to 1700 Hz ≥2.5 kHz 0.000004 g rms ≤1 % ≤5 %	SI 1.02 V/(m/s ²) 4.9 m/s ² pk 0.7 to 450 Hz 0.5 to 750 Hz 0.2 to 1700 Hz ≥2.5 kHz 0.00004 m/s ² rms ≤1 % ≤5 %	Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) T - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4 Output Bias Voltage 7.5 to 13 VDC 7.5 to 13 VDC Excitation Voltage 20 to 30 VDC 20 to 30 VDC TLA - TEDS LMS International - Free Format TLB - TEDS LMS International - Automotive Format TLC - TEDS LMS International - Aeronautical Format TLD - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4 Excitation Voltage 20 to 30 VDC 20 to 30 VDC Output Bias Voltage 7.5 to 13 VDC 7.5 to 13 VDC W - Water Resistant Cable Electrical Connector Sealed Integral Cable Sealed Integral Cable Electrical Connection Position Top Top									
Environmental Overload Limit (Shock) ±300 g pk Temperature Range 0 to +176 °F Temperature Response See Graph Base Strain Sensitivity ≤0.0005 g/με	±300 g pk 0 to +176 °F See Graph ≤0.0005 g/με	±2950 m/s ² pk -18 to +80 °C See Graph ≤0.005 (m/s ²)/με	[1] [2]									
Electrical Excitation Voltage 18 to 30 VDC Constant Current Excitation 2 to 10 mA Output Impedance <500 ohm Output Bias Voltage 7 to 12 VDC Discharge Time Constant 0.5 to 2.0 sec Settling Time <100 sec Spectral Noise (1 Hz) 0.50 μg/√Hz Spectral Noise (10 Hz) 0.10 μg/√Hz Spectral Noise (100 Hz) 0.07 μg/√Hz Spectral Noise (1 kHz) 0.05 μg/√Hz	18 to 30 VDC 2 to 10 mA <500 ohm 7 to 12 VDC 0.5 to 2.0 sec <100 sec 0.50 μg/√Hz 0.10 μg/√Hz 0.07 μg/√Hz 0.05 μg/√Hz	18 to 30 VDC 2 to 10 mA <500 ohm 7 to 12 VDC 0.5 to 2.0 sec <100 sec 4.9 (μm/s ²)/√Hz 1.0 (μm/s ²)/√Hz 0.7 (μm/s ²)/√Hz 0.5 (μm/s ²)/√Hz	[1] [1] [1] [1]									
Physical Sensing Element Ceramic Sensing Geometry Flexural Housing Material Titanium Sealing Hermetic Size (Diameter x Height) 0.99 in x 1.22 in Weight 1.8 oz Electrical Connector 10-32 Coaxial Jack Electrical Connection Position Top Mounting Thread 10-32 Female	Ceramic Flexural Titanium Hermetic 0.99 in x 1.22 in 1.8 oz 10-32 Coaxial Jack Top 10-32 Female	Ceramic Flexural Titanium Hermetic 25 mm x 31 mm 50 gm 10-32 Coaxial Jack Top 10-32 Female	[1]									
 <p data-bbox="121 1373 1073 1471"> 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 data-bbox="659 1105 1052 1292"> Caption: Typical Sensitivity Deviation vs Temperature The graph shows Sensitivity Deviation (%) on the y-axis (ranging from -20 to 20) versus Temperature (°F) on the x-axis (ranging from 0 to 180). The data points are clustered around 0% deviation across the entire temperature range. </p>	<table border="1" data-bbox="1129 1122 2011 1198"> <tr> <td>Entered: BLS</td> <td>Engineer: BAM</td> <td>Sales: RJL</td> <td>Approved: EB</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 08/18/2008</td> <td>Date: 08/15/2008</td> <td>Date: 08/15/2008</td> <td>Date: 08/18/2008</td> <td>14117</td> </tr> </table>  <p data-bbox="1570 1224 1829 1393"> 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: BLS	Engineer: BAM	Sales: RJL	Approved: EB	Spec Number:	Date: 08/18/2008	Date: 08/15/2008	Date: 08/15/2008	Date: 08/18/2008	14117
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