
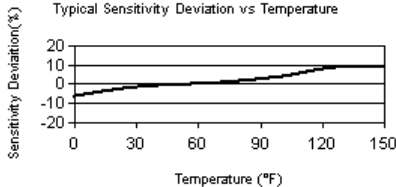



Model Number 393B31	ACCELEROMETER, ICP[®], SEISMIC		Revision F ECN #: 29724									
Performance Sensitivity (±5 %) 10.0 V/g Measurement Range 0.5 g pk Frequency Range (±5 %) 0.1 to 200 Hz Frequency Range (±10 %) 0.07 to 300 Hz Resonant Frequency ≥700 Hz Broadband Resolution (1 to 10000 Hz) 0.000001 g rms Non-Linearity ≤1 % Transverse Sensitivity ≤5 %	ENGLISH 10.0 V/g 0.5 g pk 0.1 to 200 Hz 0.07 to 300 Hz ≥700 Hz 0.000001 g rms ≤1 % ≤5 %	SI 1.02 V/(m/s ²) 4.9 m/s ² pk 0.1 to 200 Hz 0.07 to 300 Hz ≥700 Hz 0.000009 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.) Notes [1] Typical. [2] Measured at 10 Hz, 0.1 grms [3] Zero-based, least-squares, straight line method. [4] See PCB Declaration of Conformance PS023 for details.									
Environmental Overload Limit (Shock) ±40 g pk Temperature Range 0 to +150 °F Base Strain Sensitivity ≤0.0005 g/με	±40 g pk 0 to +150 °F ≤0.0005 g/με	±392 m/s ² pk -18 to +65 °C ≤0.005 (m/s ²)/με [1]	Supplied Accessories 081B20 Mounting Stud, with shoulder (1/4-28 to 1/4-28) (1) ACS-11 NIST traceable amplitude and phase response from 0.5 Hz to upper 5% frequency (1) M081B20 Mounting Stud 1/4-28 to M6 X 0.75 ()									
Electrical Excitation Voltage 24 to 28 VDC Constant Current Excitation 2 to 10 mA Output Impedance ≤500 Ohm Output Bias Voltage 8 to 14 VDC Discharge Time Constant ≥5 sec Settling Time (within 10% of bias) 60 sec Spectral Noise (1 Hz) 0.06 μg/√Hz Spectral Noise (10 Hz) 0.01 μg/√Hz Spectral Noise (100 Hz) 0.004 μg/√Hz Electrical Isolation (Case) ≥10 ⁸ Ohm	24 to 28 VDC 2 to 10 mA ≤500 Ohm 8 to 14 VDC ≥5 sec 60 sec 0.06 μg/√Hz 0.01 μg/√Hz 0.004 μg/√Hz ≥10 ⁸ Ohm	24 to 28 VDC 2 to 10 mA ≤500 Ohm 8 to 14 VDC ≥5 sec 60 sec 0.6 (μm/sec ²)/√Hz [1] 0.1 (μm/sec ²)/√Hz [1] 0.04 (μm/sec ²)/√Hz [1] ≥10 ⁸ Ohm										
Physical Sensing Element Ceramic Sensing Geometry Flexural Housing Material Stainless Steel Sealing Hermetic Size (Diameter x Height) 2.25 in x 2.8 in Weight 22.4 oz Electrical Connector 2-Pin MIL-C-5015 Electrical Connection Position Top Mounting Thread 1/4-28 Female Mounting Torque 2 to 5 ft-lb	Ceramic Flexural Stainless Steel Hermetic 2.25 in x 2.8 in 22.4 oz 2-Pin MIL-C-5015 Top 1/4-28 Female 2 to 5 ft-lb	Ceramic Flexural Stainless Steel Hermetic 57.2 mm x 71.1 mm 635 gm 2-Pin MIL-C-5015 Top 1/4-28 Female 2.7 to 6.8 Nm [1]										
	<p style="text-align: center;">Typical Sensitivity Deviation vs Temperature</p> 											
<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. ICP[®] is a registered trademark of PCB group, Inc.</p>		<table border="1" data-bbox="1125 1174 2018 1252"> <tr> <td>Entered: BLB</td> <td>Engineer: BAM</td> <td>Sales: JJB</td> <td>Approved: BLB</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 11/24/2008</td> <td>Date: 11/20/2008</td> <td>Date: 11/20/2008</td> <td>Date: 12/01/2008</td> <td>2005</td> </tr> </table> <p data-bbox="1136 1273 1524 1344">  </p> <p data-bbox="1570 1273 1801 1446"> 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: BLB	Engineer: BAM	Sales: JJB	Approved: BLB	Spec Number:	Date: 11/24/2008	Date: 11/20/2008	Date: 11/20/2008	Date: 12/01/2008	2005
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