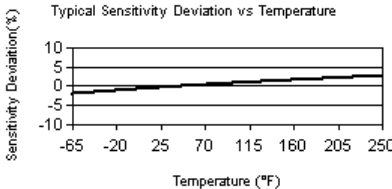


Model Number 350A14	ACCELEROMETER, ICP [®] , SHOCK		Revision K ECN #: 38113								
Performance Sensitivity (±15 %) Measurement Range Frequency Range (±10 %) Electrical Filter Cutoff Frequency (-10 %) Resonant Frequency Broadband Resolution (1 to 10000 Hz) Non-Linearity Transverse Sensitivity	ENGLISH	SI	Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) M - Metric Mount Mounting Thread M6 x 0.75 Male (M6 x 0.75 Male) Notes [1] Electrical filter is a first order low pass filter [2] Typical. [3] Transverse sensitivity is typically <= 3%. [4] See PCB Declaration of Conformance PS023 for details. Supplied Accessories ACS-14 High G shock accelerometer calibration using Hopkinson bar. (1) ACS-22 NIST Traceable frequency response (100Hz to ±1 dB point) (1)								
	1.0 mV/g ±5000 g pk 0.4 to 7500 Hz ≥7.5 kHz ≥50 kHz 0.02 g rms ≤1 % ≤5 %	0.102 mV/(m/s ²) ±49000 m/s ² pk 0.4 to 7500 Hz ≥7.5 kHz ≥50 kHz 0.20 m/s ² rms ≤1 % ≤5 %									
Environmental Overload Limit (Shock) Temperature Range (Operating) Temperature Range (Storage)	±30000 g pk -65 to +250 °F -65 to +250 °F	±294000 m/s ² pk -54 to +121 °C -54 to +121 °C									
Electrical Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Discharge Time Constant Settling Time (within 10% of bias)	18 to 30 VDC 2 to 20 mA ≤100 Ohm 8 to 12 VDC ≥1.8 sec ≤11 sec	18 to 30 VDC 2 to 20 mA ≤100 Ohm 8 to 12 VDC ≥1.8 sec ≤11 sec									
Physical Sensing Element Sensing Geometry Housing Material Sealing Size (Hex x Height) Weight Electrical Connector Electrical Connection Position Mounting Thread Mounting Torque	Quartz Shear Stainless Steel Hermetic 0.5 in x 1.45 in 0.63 oz 10-32 Coaxial Jack Top 1/4-28 Male 25 to 40 in-lb	Quartz Shear Stainless Steel Hermetic 12.7 mm x 36.8 mm 17.9 gm 10-32 Coaxial Jack Top 1/4-28 Male 280 to 450 N-cm									
 Typical Sensitivity Deviation vs Temperature 											
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.											
 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		<table> <tr> <td>Entered: JJB</td><td>Engineer: RWM</td><td>Sales: BAM</td><td>Spec Number:</td></tr> <tr> <td>Date: 01/17/2012</td><td>Date: 01/12/2012</td><td>Date: 01/12/2012</td><td>4140</td></tr> </table>		Entered: JJB	Engineer: RWM	Sales: BAM	Spec Number:	Date: 01/17/2012	Date: 01/12/2012	Date: 01/12/2012	4140
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