

Model Number 3711B1150G	DC RESPONSE ACCELEROMETER		Revision C ECN #: 39611										
Performance	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.) Notes [1] Offset tolerance is based on 10 ft of 010 test cable. [2] Typical. [3] -65 to +250 °F, ref. 75 °F (-54 to +121 °C, ref. 24 °C) [4] FSO = Full Scale Output over the Measurement Range (4VDC). [5] Zero-based, least-squares, straight line method. [6] See PCB Declaration of Conformance PS027 for details.										
Sensitivity (±5 %) Measurement Range Frequency Range (±5 %) Frequency Range (±10 %) Resonant Frequency Phase Response (100 Hz) Broadband Resolution (0.5 to 100 Hz) Non-Linearity Transverse Sensitivity	40 mV/g ±50 g pk 0 to 1.0 kHz 0 to 1.5 kHz ≥5.1 kHz <10 ° 6.0 mg rms ≤1 % ≤3 %	4.1 mV/(m/s ²) ±490 m/s ² pk 0 to 1.0 kHz 0 to 1.5 kHz ≥5.1 kHz <10 ° 0.06 m/s ² rms ≤1 % ≤3 %											
Environmental			Supplied Accessories 080A152 Easy Mount Clip (1) 081A113 Mounting screw assembly (2) ACS-103 Phase and Amplitude Calibration from 2 Hz to +5% of frequency range (1) M081A113 Mounting screw assembly (2)										
Overload Limit (Shock) Temperature Range (Operating) Temperature Range (Storage) Temperature Coefficient of Sensitivity Zero g Offset Temperature Coefficient Base Strain Sensitivity Magnetic Sensitivity	±3000 g pk -65 to +250 °F -65 to +250 °F ±3 % ±2 %FSO .0001 g/με 40 μg/gauss	±29420 m/s ² pk -54.0 to +121 °C -54.0 to +121 °C ±3 % ±2 %FSO .001 (m/s ²)/με 3.9 (m/s ²)/Tesla											
Electrical			[2] [5] [3] [4][3] [2] [2] [1] [2]										
Excitation Voltage Current Consumption Output Impedance Offset Voltage (0 g) Spectral Noise (1 to 100 Hz) Electrical Isolation (Case)	6 to 30 VDC ≤6 mA ≤100 Ohm -40 to +40 mVDC 600 μg/√Hz >10 ⁸ Ohm	6 to 30 VDC ≤6 mA ≤100 Ohm -40 to +40 mVDC 5890 (μm/sec ² /√Hz) >10 ⁸ Ohm											
Physical			 [6] <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.										
			<table border="1"> <tr> <td>Entered: AP</td> <td>Engineer: RPF</td> <td>Sales: RWM</td> <td>Approved: BAM</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 07/31/2012</td> <td>Date: 07/31/2012</td> <td>Date: 07/31/2012</td> <td>Date: 07/31/2012</td> <td>45104</td> </tr> </table>  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	Entered: AP	Engineer: RPF	Sales: RWM	Approved: BAM	Spec Number:	Date: 07/31/2012	Date: 07/31/2012	Date: 07/31/2012	Date: 07/31/2012	45104
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