

Model Number 3713B1130G	TRIAXIAL DC RESPONSE ACCELEROMETER		Revision E ECN #: 39611						
Performance 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	ENGLISH 66.7 mV/g ±30 g pk 0 to 1.0 kHz 0 to 1.5 kHz ≥4 kHz <10 ° 3.5 mg rms ≤1 % ≤3 %	SI 6.80 mV/(m/s ²) ±294 m/s ² pk 0 to 1.0 kHz 0 to 1.5 kHz ≥4 kHz <10 ° 0.034 m/s ² rms ≤1 % ≤3 %	[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] Offset tolerance is based on 10 ft of 037 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] Measured at 100 Hz, 10 grms. [6] Zero-based, least-squares, straight line method. [7] See PCB Declaration of Conformance PS027 for details.						
Environmental 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 0.0002 g/με 27.9 μg/gauss	±29420 m/s ² pk -54 to +121 °C -54.0 to +121 °C ±3 % ±2 %FSO 0.002 (m/s ²)/με 2.8 (m/s ²)/Tesla	[2] [6] [3] [4][3] [2] [2]						
Electrical 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 mVDC 330 μg/√Hz >10 ⁸ Ohm	6 to 30 VDC ≤6 mA ≤100 Ohm ±40 mVDC 3237 (μm/sec ² /√Hz) >10 ⁸ Ohm	[1] [2]						
Physical Housing Material Sealing Size (Length x Width x Height) Weight Electrical Connector Electrical Connection Position	Titanium Hermetic 0.8 in x 0.8 in x 0.8 in 0.6 oz 9-Pin Side	Titanium Hermetic 20.3 mm x 20.3 mm x 20.3 mm 17.3 gm 9-Pin Side							
 [7]	<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.								
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