



Model Number 3713E112G	TRIAxIAL DC RESPONSE ACCELEROMETER			Revision: B ECN #: 44033	
Performance Sensitivity(± 3 %) 1000 mV/g Measurement Range ± 2 g pk Frequency Range(± 3 dB) 0 to 400 Hz Frequency Range(± 3 dB) 0 to 200 Hz Phase Response(10 Hz) <2.5 ° Broadband Resolution(0.5 to 100 Hz) .1 mg rms Non-Linearity ≤ 1 % Transverse Sensitivity ≤ 5 %	ENGLISH 1000 mV/g ± 2 g pk 0 to 400 Hz 0 to 200 Hz <2.5 ° .1 mg rms ≤ 1 % ≤ 5 %	SI 101.9 mV/(m/s ²) ± 19.6 m/s ² pk 0 to 400 Hz 0 to 200 Hz <2.5 ° .001 m/s ² rms ≤ 1 % ≤ 5 %	OPTIONAL VERSIONS Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be 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. [6]Minimum, verified with Calibration data. [7]Least-squares, straight line method, % FSO. [8]See PCB Declaration of Conformance PS027 for details.		
Environmental Overload Limit(Shock) ± 2000 g pk Temperature Range(Operating) -65 to +250 °F Temperature Range(Storage) -65 to +250 °F Temperature Coefficient of Sensitivity ± 5 % Zero g Offset Temperature Coefficient ± 4 % FSO Base Strain Sensitivity(Measured at 250 µε) .001 g/µε Magnetic Sensitivity 100 µg/gauss	± 2000 g pk -65 to +250 °F -65 to +250 °F ± 5 % ± 4 % FSO .001 g/µε 100 µg/gauss	± 19,620 m/s ² pk -54.0 to +121 °C -54.0 to +121 °C ± 5 % ± 4 % FSO .01 (m/s ²)/µε 9.8 (m/s ²)/Tesla			
Electrical Excitation Voltage 6 to 30 VDC Current Consumption ≤ 30 mA Output Impedance ≤ 120 Ohm Offset Voltage(0 g) ± 160 mVDC Spectral Noise(1 to 100 Hz) 10 µg/√Hz Electrical Isolation(Case) >10 ⁸ Ohm	6 to 30 VDC ≤ 30 mA ≤ 120 Ohm ± 160 mVDC 10 µg/√Hz >10 ⁸ Ohm	6 to 30 VDC ≤ 30 mA ≤ 120 Ohm ± 160 mVDC 98.1 (µm/sec ²)/√Hz >10 ⁸ Ohm	SUPPLIED ACCESSORIES: Model 080A12 Adhesive Mounting Base (1) Model 081B05 Mounting Stud (10-32 to 10-32) (1) Model ACS-145T Triaxial Calibration Phase and Magnitude from 2 Hz to ±3dB using Linear scale (1) Model M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)		
Physical Housing Material Titanium Sealing Hermetic Size (Length x Width x Height) 0.85 in x 0.85 in x 0.85 in 21.6 mm x 21.6 mm x 21.6 mm Weight 0.8 oz 22.7 gm Electrical Connector 9-Pin Electrical Connection Position Side Mounting Thread 10-32 Female	Titanium Hermetic 0.85 in x 0.85 in x 0.85 in 0.8 oz 9-Pin Side 10-32 Female	Titanium Hermetic 21.6 mm x 21.6 mm x 21.6 mm 22.7 gm 9-Pin Side 10-32 Female			
 [8] 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.	Entered: AP	Engineer: JJD	Sales: RWM	Approved: NJF	Spec Number:
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