



Model Number 3711E1110G		DC RESPONSE ACCELEROMETER		Revision: A ECN #: 44033			
Performance		ENGLISH	SI	OPTIONAL VERSIONS			
Sensitivity(± 5 %)	200 mV/g	20.4 mV/(m/s ²)		Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.			
Measurement Range	± 10 g	± 98.1 m/s ² pk					
Frequency Range(± 3 dB)	0 to 1000 Hz	0 to 1000 Hz	[2]				
Frequency Range(± 3 dB)	0 to 500 Hz	0 to 500 Hz	[5]				
Phase Response(100 Hz)	<10 °	<10 °					
Broadband Resolution(0.5 to 100 Hz)	.2 mg rms	.002 m/s ² rms	[2]				
Non-Linearity	≤ 1 %	≤ 1 %	[6]				
Transverse Sensitivity	≤ 5 %	≤ 5 %					
Environmental						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]Minimum, verified with Calibration data. [6]Least-squares, straight line method, % FSO. [7]See PCB Declaration of Conformance PS027 for details.	
Overload Limit(Shock)	± 5000 g pk	± 49,050 m/s ² pk					
Temperature Range(Operating)	-65 to +250 °F	-54.0 to +121 °C					
Temperature Range(Storage)	-65 to +250 °F	-54.0 to +121 °C					
Temperature Coefficient of Sensitivity	± 3 %	± 3 %	[3]				
Zero g Offset Temperature Coefficient	± 2 % FSO	± 2 % FSO	[3][4]				
Base Strain Sensitivity(Measured at 250 µε)	.0004 g/µε	.004 (m/s ²)/µε	[2]				
Magnetic Sensitivity	100 µg/gauss	9.8 (m/s ²)/Tesla	[2]				
Electrical							
Excitation Voltage	6 to 30 VDC	6 to 30 VDC					
Current Consumption	≤ 10 mA	≤ 10 mA					
Output Impedance	≤ 120 Ohm	≤ 120 Ohm					
Offset Voltage(0 g)	± 80 mVDC	± 80 mVDC	[1]				
Spectral Noise(1 to 100 Hz)	45 µg/√Hz	441 (µm/sec ²)/√Hz	[2]				
Electrical Isolation(Case)	>10 ⁸ Ohm	>10 ⁸ Ohm					
Physical				SUPPLIED ACCESSORIES: Model 080A152 Easy Mount Clip (1) Model 081A113 Mounting screw assembly (2) Model ACS-145 Phase and Amplitude Calibration from 2 Hz to ±3 dB of frequency range (1) Model M081A113 Mounting screw assembly (2)			
Housing Material	Titanium	Titanium					
Sealing	Hermetic	Hermetic					
Size (Height x Length x Width)	0.45 in x 0.85 in x 0.85 in	11.4 mm x 21.6 mm x 21.6 mm					
Weight	0.58 oz	16.3 gm					
Electrical Connector	4-Pin	4-Pin					
Electrical Connection Position	Side	Side					
Mounting	Through Holes (2)	Through Holes (2)					
 [7]		 3425 Walden Avenue, Depew, NY 14043				Entered: AP Engineer: JJD Sales: RWM Approved: NJF Spec Number:	
						Date: 3/27/2015 Date: 3/27/2015 Date: 3/27/2015 Date: 3/27/2015 60025	
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.				Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com			