

Model Number 3713B1150G		TRIAXIAL DC RESPONSE ACCELEROMETER			Revision B ECN #: 34597	
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		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 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. Supplied Accessories 080A12 Adhesive Mounting Base (1) 081B05 Mounting Stud (10-32 to 10-32) (1) ACS-103T Triaxial Calibration Phase and Magnitude from 2 Hz to +5% using Linear scale (1) M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)	
	40 mV/g		4.1 mV/(m/s²)			
	±50 g pk		±490.5 m/s² pk			
	0 to 1000 Hz		0 to 1000 Hz			
	0 to 1300 Hz		0 to 1300 Hz			
	≥5.1 kHz		≥5.1 kHz			
	<10 °		<10 °			
	6.0 mg rms		0.059 m/s² rms			
	≤1 %		≤1 %			
	≤3 %		≤3 %			
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		±29420 m/s² pk			
	-65 to +250 °F		-54.0 to +121 °C			
	-65 to +250 °F		-54.0 to +121 °C			
	±3 %		±3 %			
	±2 %FSO		±2 %FSO			
	.0001 g/µε		.001 (m/s²)/µε			
Electrical Excitation Voltage Current Consumption Output Impedance Offset Voltage (0 g) Spectral Noise (1 to 100 Hz) Electrical Isolation (Case)	40 µg/gauss		3.9 (m/s²)/Tesla			
	6 to 30 VDC		6 to 30 VDC			
	≤5 mA		≤5 mA			
	≤100 ohm		≤100 ohm			
	±40 mVDC		±40 mVDC			
	600 µg/√Hz		5890 (µm/sec²)/√Hz			
Physical Housing Material Sealing Size (Length x Width x Height) Weight Electrical Connector Electrical Connection Position Mounting Thread	>10 ⁸ ohm		>10 ⁸ ohm			
	Titanium		Titanium			
	Hermetic		Hermetic			
	0.8 in x 0.8 in x 0.8 in		20.3 mm x 20.3 mm x 20.3 mm			
	0.6 oz		17.3 gm			
	9-Pin		9-Pin			
	Side		Side			
	10-32 Female		10-32 Female			
CE [7] 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: LLH Engineer: MAM Sales: JC Approved: RPF Spec Number: Date: 12/09/2010 Date: 12/09/2010 Date: 12/09/2010 Date: 12/09/2010 45425 PCB PIEZOTRONICS™ VIBRATION DIVISION 3425 Walden Avenue Depew, NY 14043 UNITED STATES Phone: 888-684-0013 Fax: 716-685-3886 E-mail: vibration@pcb.com Web site: www.pcb.com						