

Model Number 3713F1250G	TRIAXIAL DC RESPONSE ACCELEROMETER				Revision: NR ECN #: 49386
Performance		ENGLISH	SI	[5] [2] [6] [2]	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.
Sensitivity(± 3 %)		27 mV/g	2.8 mV/(m/s²)		
Measurement Range		± 50 g pk	± 490 m/s² pk		
Frequency Range(± 5 %)		0 to 1500 Hz	0 to 1500 Hz		
Frequency Range(± 10 %)		0 to 2000 Hz	0 to 2000 Hz		
Resonant Frequency		6.5 kHz	6.5 kHz		
Phase Response(100 Hz)		<10 °	<10 °		
Non-Linearity		≤ 1 %	≤ 1 %		
Broadband Resolution(0.5 to 100 Hz)		1.5 mg rms	0.015 m/s² rms		
Transverse Sensitivity		≤ 3 %	≤ 3 %		
Environmental				[3] [3][4] [2] [2]	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 [5] Measured at 100 Hz, 10 grms. [6] Zero-based, least-squares, straight line method. [7] See PCB Declaration of Conformance PS027 for details.
Overload Limit(Shock)		± 3000 g pk	± 29,420 m/s² 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		± 2.5 %	± 2.5 %		
Zero g Offset Temperature Coefficient		± 1.5 % FSO	± 1.5 % FSO		
Base Strain Sensitivity		0.001 g/με	0.01 (m/s²)/με		
Magnetic Sensitivity		40 μg/gauss	3.9 (m/s²)/Tesla		
Electrical					
Excitation Voltage		5 to 32 VDC	5 to 32 VDC		
Current Consumption		≤ 15 mA	≤ 15 mA		
Output Impedance		≤ 120 Ohm	≤ 120 Ohm		
Offset Voltage(0 g)		± 20 mVDC	± 20 mVDC		
Spectral Noise		250 μg/√Hz	2453 (μm/sec²)/√Hz		
Electrical Isolation(Case)		>10 ⁸ Ohm	>10 ⁸ Ohm		
Physical				[1] [2]	SUPPLIED ACCESSORIES: Model 080A12 Adhesive Mounting Base (1) Model 081B05 Mounting Stud (10-32 to 10-32) (1) Model ACS-172T Triaxial Phase and Amplitude Calibration from 5 Hz to +5% frequency range Model M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)
Housing Material		Titanium	Titanium		
Sealing		Hermetic	Hermetic		
Size (Length x Width x Height)		0.8 in x 0.8 in x 0.8 in	20.3 mm x 20.3 mm x 20.3 mm		
Weight(with cable)		4.2 oz	119 gm		
Electrical Connector		Integral Cable	Integral Cable		
Electrical Connection Position		Side	Side		
Cable Type		037 10-cond Shielded	037 10-cond Shielded		
Cable Length		10 ft	3.05 m		
Mounting Thread		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. This model, designated with an RH prefix, is RoHS compliant. For further details, and to obtain PCB's RoHS Statement of Conformance, please visit http://www.pcb.com					
Entered: LK Engineer: NJF Sales: WDC Approved: BAM Spec Number: Date: 4/22/2019 Date: 4/22/2019 Date: 4/22/2019 Date: 4/22/2019 70754  3425 Walden Avenue, Depew, NY 14043 Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com					