Model Number 3713F1230G	TRIAXIAI DC RESPONSE ACCELEROM						
Performance	ENGLISH	SI			OF	PT	
Sensitivity(± 3 %)	45 mV/g	4.59 mV/(m/s²)	[5]	Optional versions	have identical spec		
Measurement Range	± 30 g pk	± 294 m/s² pk			cept where noted l		
Frequency Range(± 5 %)	0 to 1500 Hz	0 to 1500 Hz					
Frequency Range(± 10 %)	0 to 2000 Hz	0 to 2000 Hz					
Resonant Frequency	5.2 kHz	5.2 kHz	[2]				
Phase Response(100 Hz)	<10 °	<10 °					
Non-Linearity	≤ 1 %	≤ 1 %	[6]				
Broadband Resolution(0.5 to 100 Hz)	1 mg rms	0.01 m/s <sup>2</sup> rms	[2]				
Transverse Sensitivity	≤ 3 %	≤ 3 %					
Environmental							
Overload Limit(Shock)	± 3000 g pk	± 29,420 m/s² pk					
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C		NOTES:			
Temperature Range(Storage)	-65 to +250 °F	-54.0 to +121 °C			ce is based on 10 fl	t of	
Temperature Coefficient of Sensitivity	± 2.5 %	± 2.5 %	[3]	[2] Typical.	F, ref. 75 °F (-54 to	. 4	
Zero g Offset Temperature Coefficient	± 1.5 % FSO	± 1.5 % FSO	[3][4]		ale Output over the		
Base Strain Sensitivity	0.001 g/με	0.01 (m/s²)/με	[2]	[5] Measured at 1		IVIC	
Magnetic Sensitivity	40 μg/gauss	3.9 (m/s²)/Tesla	[2]	[6] Zero-based, le	east-squares, straig		
Electrical				[7] See PCB Dec	laration of Conform	ian	
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	[1]				
Spectral Noise	120 µg/√Hz	1177 (µm/sec <sup>2</sup> )/√Hz	[2]				
Electrical Isolation(Case)	>10 <sup>8</sup> Ohm	>10 <sup>8</sup> Ohm					
Physical							
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		SUPPLIED ACCESSORIES:			
Electrical Connector	Integral Cable	Integral Cable		Model 080A12 Ad	thesive Mounting B	Jas	
Electrical Connection Position	Side	Side			ounting Stud (10-32		
Cable Type	037 10-cond Shielded	037 10-cond Shielded			Triaxial Phase and		
Cable Length	10 ft	3.05 m		IVIOGEI IVIOO I BOS	Mounting Stud 10-3	) 2 (	
Mounting Thread	10-32 Female	10-32 Female					
				Entered: LK	Engineer: NJF		
				Date: 4/22/2010	Date: 4/22/2010	Ţ	

## **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.
- [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.

## **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)

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	70753



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Revision: NR

ECN #: 49386



Model Number

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