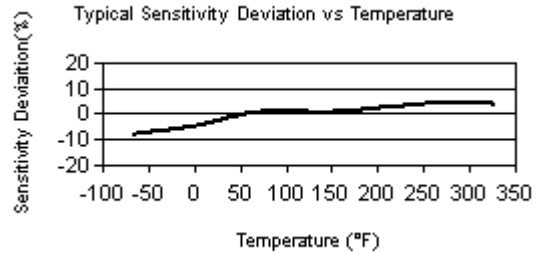


	ENGLISH	SI	
Performance			
Sensitivity(± 20 %)	1.0 mV/g	0.1 mV/(m/s ²)	
Measurement Range	± 5000 g pk	± 49,050 m/s ² pk	
Frequency Range(± 5 %)(y or z axis)	2 to 10,000 Hz	2 to 10,000 Hz	
Frequency Range(± 5 %)(x axis)	2 to 7000 Hz	2 to 7000 Hz	[3][3][3]
Resonant Frequency	≥ 55 kHz	≥ 55 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.03 g rms	0.29 m/s ² rms	[1]
Non-Linearity	≤ 2.5 %	≤ 2.5 %	[4]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	± 7000 g pk	± 68,600 m/s ² pk	
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C	
Temperature Response	See Graph	See Graph	[2]

	ENGLISH	SI	
Electrical			
Excitation Voltage	18 to 30 VDC	18 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤ 200 Ohm	≤ 200 Ohm	
Output Bias Voltage	7 to 12 VDC	7 to 12 VDC	
Discharge Time Constant	2.5 to 4.5 sec	2.5 to 4.5 sec	
Settling Time(within 10% of bias)	<12 sec	<12 sec	
Spectral Noise(1 Hz)	9000 µg/√Hz	88,290 (µm/sec ²)/√Hz	[1]
Spectral Noise(10 Hz)	2500 µg/√Hz	24,525 (µm/sec ²)/√Hz	[1]
Spectral Noise(100 Hz)	800 µg/√Hz	7848 (µm/sec ²)/√Hz	[1]
Spectral Noise(1 kHz)	250 µg/√Hz	2453 (µm/sec ²)/√Hz	[1]

	ENGLISH	SI	
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Size (Height x Length x Width)	0.4 in x 0.4 in x 0.4 in	10.2 mm x 10.2 mm x 10.2 mm	
Weight(without cable)	0.14 oz	4 gm	[1]
Electrical Connector	Integral Cable	Integral Cable	
Electrical Connection Position	Side	Side	
Cable Termination	1/4-28 4-Pin Jack	1/4-28 4-Pin Jack	
Cable Length	5 ft	1.5 m	
Cable Type	034 4-cond Shielded	034 4-cond Shielded	
Mounting Thread	5-40 Female	5-40 Female	
Mounting Torque	4 to 5 in-lb	45 to 56 N-cm	



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.

HT - High temperature, extends normal operation temperatures

Temperature Range(Operating)	-65 to +325 °F	-54 to +163 °C
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NOTES:

[1] Typical.
 [2] 250° F to 325° F data valid with HT option only.
 [3] X-axis frequency response is limited due to mounting method.
 [4] Zero-based, least-squares, straight line method.
 [5] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:

Model 034G05 4-cond. shielded cable, 5 ft (1.5M), 4-pin plug to (3) BNC plugs (1)
 Model 080A Adhesive Mounting Base (1)
 Model 080A109 Petro Wax (1)
 Model 081A27 Mounting Stud (5-40 to 5-40) (1)
 Model 081A90 Mounting stud, 10-32 to 5-40 (1)
 Model ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)
 Model M081A27 Metric mounting stud, 5-40 to M3 x 0.50 long (1)

Entered: AP	Engineer: JJB	Sales: WDC	Approved: JJB	Spec Number:
Date: 11/8/2013	Date: 11/8/2013	Date: 11/8/2013	Date: 11/8/2013	20531



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.
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