

	ENGLISH	SI	
Performance			
Sensitivity(± 10 %)	10 mV/g	1.02 mV/(m/s ²)	
Measurement Range	± 500 g pk	± 4905 m/s ² pk	
Frequency Range(± 5 %)	2 to 6000 Hz	2 to 6000 Hz	
Frequency Range(± 10 %)	1 to 8000 Hz	1 to 8000 Hz	
Resonant Frequency	≥ 25 kHz	≥ 25 kHz	
Filter Type(single pole)	Low Pass	Low Pass	
Electrical Filter Roll-off	6 dB/octave	6 dB/octave	
Electrical Filter Corner Frequency	>13 kHz	>13 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.008 g rms	0.078 m/s ² rms	[1]
Non-Linearity	≤ 0.5 %	≤ 0.5 %	
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	± 5000 g pk	± 49,050 m/s ² pk	
Temperature Range(Operating)	-65 to +325 °F	-54 to +163 °C	
Temperature Response	See Graph	See Graph	[1]
Temperature Coefficient of Sensitivity	≤ .011 %/°F	≤ 0.020 %/°C	
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(Room Temperature)	7 to 12 VDC	7 to 12 VDC	
Discharge Time Constant	0.6 to 2 sec	0.6 to 2 sec	
Settling Time(within 10% of bias)	<3 sec	<3 sec	
Spectral Noise(1 Hz)	1700 µg/√Hz	16,660 (µm/sec ²)/√Hz	[1]
Spectral Noise(10 Hz)	500 µg/√Hz	4900 (µm/sec ²)/√Hz	[1]
Spectral Noise(100 Hz)	200 µg/√Hz	1960 (µm/sec ²)/√Hz	[1]
Spectral Noise(1 kHz)	100 µg/√Hz	980 (µm/sec ²)/√Hz	[1]
Physical			
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Size (Height x Length x Width)	0.55 in x 0.4 in x 0.4 in	14 mm x 10.2 mm x 10.2 mm	[1]
Weight	0.2 oz	5.5 gm	
Electrical Connector	8-36 4-Pin	8-36 4-Pin	
Electrical Connection Position	Side	Side	
Mounting	Stud	Stud	
Mounting Thread	5-40 Female	5-40 Female	

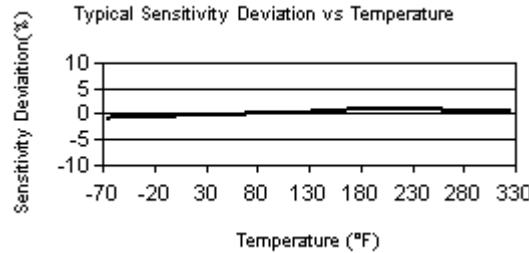
OPTIONAL VERSIONS

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] Typical.
 [2] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:
 Model 034K10 Cable 10FT Mini 4 Pin To (3) BNC (1)
 Model 080A Adhesive Mounting Base (1)
 Model 080A109 Petro Wax (1)
 Model 080A90 Quick Bonding Gel (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 ACS-44T Triaxial extended amplitude response, upper 5% point to 10% point (requires ACS-1T or equivalent). (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	41207



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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