

	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Sensitivity(± 25 %)	1 mV/g	0.1 mV/(m/s ²)	
Measurement Range	± 5000 g pk	± 49,000 m/s ² pk	
Frequency Range(± 5 %)	0.7 to 9000 Hz	0.7 to 9000 Hz	
Frequency Range(-3 dB)	0.4 to 20,000 Hz	0.4 to 20,000 Hz	
Filter Type	Low Pass	Low Pass	
Electrical Filter Corner Frequency	23 kHz	23 kHz	[1]
Electrical Filter Roll-off	12 dB/octave	12 dB/octave	
Resonant Frequency	≥ 55 kHz	≥ 55 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.025 g rms	0.25 m/s ² rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 7 %	≤ 7 %	
Environmental			
Overload Limit(Shock)	± 10,000 g pk	± 98,000 m/s ² pk	
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C	
Temperature Response	See Graph	See Graph	[1]
Electrical			
Excitation Voltage	20 to 30 VDC	20 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤ 200	≤ 200	
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC	
Discharge Time Constant	0.5 to 1.5 sec	0.5 to 1.5 sec	
Settling Time(within 10% of bias)	<5 sec	<5 sec	
Spectral Noise(1 Hz)	7200 µg/√Hz	70,600 (µm/sec ²)/√Hz	[1]
Spectral Noise(10 Hz)	2400 µg/√Hz	23,500 (µm/sec ²)/√Hz	[1]
Spectral Noise(100 Hz)	740 µg/√Hz	7250 (µm/sec ²)/√Hz	[1]
Spectral Noise(1 kHz)	190 µg/√Hz	1860 (µm/sec ²)/√Hz	[1]
Electrical Isolation(Base)	>10 ⁸	>10 ⁸	
Physical			
Size (Height x Hex)	0.90 in x 3/8 in	22.9 mm x 3/8 in	
Weight	0.15 oz	4.3 gm	[1]
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Electrical Connection Position	Top	Top	
Mounting Thread	10-32 Female	10-32 Female	

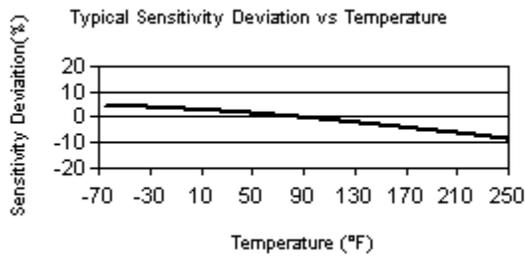
OPTIONAL VERSIONS

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]Zero-based, least-squares, straight line method.
 [3]See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:
 Model 080A04 Adhesive base, 0.37" hex x 0.2" thick, 10-32 tapped hole, aluminum with insulating hardcoat finish (1)
 Model 080A109 Petro Wax (1)
 Model 081B05 Mounting Stud (10-32 to 10-32) (1)
 Model ACS-23 NIST Traceable frequency response (5Hz to +5% PT, Linear Scale +/-10%) (1)
 Model M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)

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*All specifications are at room temperature unless otherwise specified.
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