

	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Sensitivity(± 10 %)	10 mV/g	1.02 mV/(m/s ²)	
Measurement Range	± 500 g pk	± 4900 m/s ² pk	
Frequency Range(± 5 %)	1 to 7000 Hz	1 to 7000 Hz	
Frequency Range(± 10 %)	0.75 to 10,000 Hz	0.75 to 10,000 Hz	
Frequency Range(± 3 dB)	0.35 to 17,000 Hz	0.35 to 17,000 Hz	
Filter Type(Low Pass)	single pole	single pole	
Electrical Filter Corner Frequency	≥ 17 kHz	≥ 17 kHz	
Resonant Frequency	≥ 35 kHz	≥ 35 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.001 g rms	0.01 m/s ² rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 5 %	≤ 5 %	[3]
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]
Electrical			
Excitation Voltage	19 to 30 VDC	19 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤ 100 Ohm	≤ 100 Ohm	
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC	
Discharge Time Constant	0.5 to 2.0 sec	0.5 to 2.0 sec	
Settling Time(within 10% of bias)	≤ 10 sec	≤ 10 sec	
Spectral Noise(1 Hz)	440 µg/√Hz	4320 (µm/sec ²)/√Hz	[1]
Spectral Noise(10 Hz)	135 µg/√Hz	1325 (µm/sec ²)/√Hz	[1]
Spectral Noise(100 Hz)	35 µg/√Hz	345 (µm/sec ²)/√Hz	[1]
Spectral Noise(1 kHz)	10 µg/√Hz	98 (µm/sec ²)/√Hz	[1]
Electrical Isolation(Base)	≥ 10 ⁸ Ohm	≥ 10 ⁸ Ohm	
Physical			
Size (Height x Length x Width)	0.40 in x 0.70 in x 0.63 in	10.2 mm x 17.8 mm x 15.9 mm	[1]
Weight	0.29 oz	8.2 gm	
Sensing Element	Quartz	Quartz	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Electrical Connection Position	Side	Side	
Mounting	Through Hole	Through Hole	

OPTIONAL VERSIONS

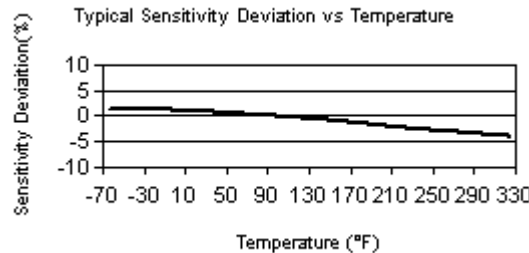
Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

NOTES:

[1] Typical.
 [2] Zero-based, least-squares, straight line method.
 [3] Transverse sensitivity is typically ≤ 3%.
 [4] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:

Model 080A109 Petro Wax (1)
 Model 081M252 Allen Wrench M039A22 (1)
 Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)
 Model Mounting Screw (1)



Entered: AP	Engineer: jg	Sales: RM	Approved: BAM	Spec Number:
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*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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