

	<u>ENGLISH</u>	<u>SI</u>	
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 10,000 Hz	2 to 10,000 Hz	
Frequency Range(± 10 %)	1 to 17,000 Hz	1 to 17,000 Hz	
Resonant Frequency	≥ 65 kHz	≥ 65 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.003 g rms	0.03 m/s ² rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	± 10,000 g pk	± 98,100 m/s ² pk	
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C	
Temperature Response	See Graph	See Graph	
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	0.3 to 1.0 sec	0.3 to 1.0 sec	
Settling Time(within 10% of bias)	<3 sec	<3 sec	
Spectral Noise(1 Hz)	1000 µg/√Hz	9810 (µm/sec ²)/√Hz	[1]
Spectral Noise(10 Hz)	300 µg/√Hz	2943 (µm/sec ²)/√Hz	[1]
Spectral Noise(100 Hz)	80 µg/√Hz	785 (µm/sec ²)/√Hz	[1]
Spectral Noise(1 kHz)	25 µg/√Hz	308 (µm/sec ²)/√Hz	[1]
Physical			
Size (Diameter x Height)	0.24 in x 0.32 in	6.1 mm x 8.1 mm	
Weight	0.03 oz	0.7 gm	[1]
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Electrical Connector	Solder pins with attached cable	Solder pins with attached cable	
Electrical Connection Position	Top	Top	
Cable Termination	10-32 Coaxial Plug	10-32 Coaxial Plug	
Cable Length	10 ft	3 m	
Cable Type	030 Coaxial	030 Coaxial	
Mounting	Adhesive	Adhesive	

OPTIONAL VERSIONS

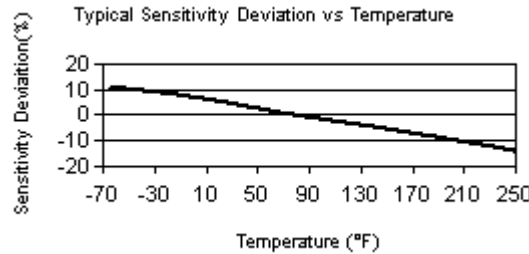
Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

NOTES:

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

SUPPLIED ACCESSORIES:

Model 080A109 Petro Wax (1)
 Model 080A90 Quick Bonding Gel (1)
 Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)



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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Entered: AP	Engineer: JJB	Sales: WDC	Approved: JJB	Spec Number:
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