

Performance	ENGLISH	SI	
Sensitivity(± 20 %)	10 mV/g	1.02 mV/(m/s ²)	
Measurement Range	± 500 g pk	± 4905 m/s ² pk	
Frequency Range(± 5 %)	2.0 to 10,000 Hz	2.0 to 10,000 Hz	
Frequency Range(± 10 %)	1.5 to 15,000 Hz	1.5 to 15,000 Hz	
Frequency Range(± 3 dB)	0.7 to 25,000 Hz	0.7 to 25,000 Hz	
Resonant Frequency	≥ 70 kHz	≥ 70 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)	± 5000 g pk	± 49,050 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	22 to 30 VDC	22 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤ 100 Ohm	≤ 100 Ohm	
Output Bias Voltage	9 to 16 VDC	9 to 16 VDC	
Discharge Time Constant	0.24 to 1.0 sec	0.24 to 1.0 sec	
Settling Time(within 10% of bias)	<3 sec	<3 sec	
Spectral Noise(1 Hz)	1500 µg/√Hz	14,715 (µm/sec ²)/√Hz	[1]
Spectral Noise(10 Hz)	400 µg/√Hz	3924 (µm/sec ²)/√Hz	[1]
Spectral Noise(100 Hz)	120 µg/√Hz	1177 (µm/sec ²)/√Hz	[1]
Spectral Noise(1 kHz)	30 µg/√Hz	294 (µm/sec ²)/√Hz	[1]
Spectral Noise(10 kHz)	20 µg/√Hz	196 (µm/sec ²)/√Hz	[1]
Electrical Isolation(Base)	>10 ⁸ Ohm	>10 ⁸ Ohm	
Physical			
Size (Height x Length x Width)	0.11 in x 0.34 in x 0.16 in	2.8 mm x 8.6 mm x 4.1 mm	[1]
Weight	0.007 oz	0.2 gm	
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Anodized Aluminum	Anodized Aluminum	
Sealing	Epoxy	Epoxy	
Electrical Connector	3-56 Coaxial Jack	3-56 Coaxial Jack	
Electrical Connection Position	Side	Side	
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.

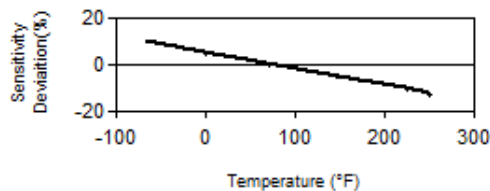
NOTES:

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

SUPPLIED ACCESSORIES:

- Model 030A10 Coax Cable, 10 ft (3 m), 3-56 plug to 10-32 plug. (1)
- Model 039A26 Removal Tool (1)
- Model 080A109 Petro Wax (1)
- Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)

Typical Sensitivity Deviation vs Temperature



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: LK	Engineer: GD	Sales: RM	Approved: BAM	Spec Number:
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Phone: 716-684-0001
Fax: 716-684-0987
E-Mail: info@pcb.com