

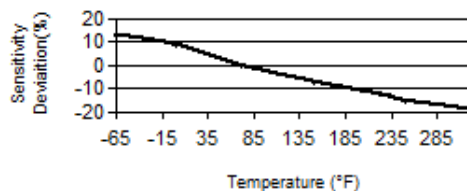
	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Sensitivity(± 20 %)	1 mV/g	0.10 mV/(m/s ²)	
Measurement Range	± 5000 g pk	± 49,050 m/s ² pk	
Frequency Range(± 5 %)	1.2 to 10,000 Hz	1.2 to 10,000 Hz	
Frequency Range(± 10 %)	1 to 20,000 Hz	1 to 20,000 Hz	
Resonant Frequency	≥ 100 kHz	≥ 100 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.02 g rms	0.2 m/s ² rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	± 20,000 g pk	± 196,133 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	18 to 30 VDC	18 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	0.4 to 1.2 sec	0.4 to 1.2 sec	
Settling Time(within 10% of bias)	<3 sec	<3 sec	
Spectral Noise(1 Hz)	4.7 mg/√Hz	46 mm/s ² /√Hz	[1]
Spectral Noise(10 Hz)	1.2 mg/√Hz	11.8 mm/s ² /√Hz	[1]
Spectral Noise(100 Hz)	0.48 mg/√Hz	4.71 mm/s ² /√Hz	[1]
Spectral Noise(1 kHz)	0.17 mg/√Hz	1.67 mm/s ² /√Hz	[1]
Spectral Noise(10 kHz)	0.13 mg/√Hz	1.28 mm/s ² /√Hz	[1]
Physical			
Size (Height x Length x Width)	0.100 in x 0.215 in x 0.135 in	2.54 mm x 5.46 mm x 3.43 mm	
Weight	0.006 oz	0.17 gm	[1][3]
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Epoxy	Epoxy	
Electrical Connection Position	Side	Side	
Cable Termination	10-32 Coaxial Jack	10-32 Coaxial Jack	
Cable Length	3 ft	0.9 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] Weight measured without cable
[4] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:
Model 039A37 Removal Tool (1)
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)

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: LAB	Sales: WDC	Approved: NJF	Spec Number:
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