

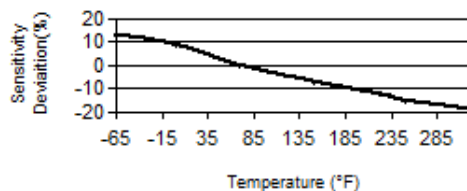
	<u>ENGLISH</u>	<u>SI</u>	
<b>Performance</b>			
Sensitivity(± 20 %)	0.25 mV/g	0.025 mV/(m/s <sup>2</sup> )	
Measurement Range	± 20,000 g pk	± 196,200 m/s <sup>2</sup> pk	
Frequency Range(± 5 %)	1.2 to 10,000 Hz	1.2 to 10,000 Hz	
Frequency Range(± 10 %)	1 to 20,000 Hz	1 to 20,000 Hz	
Resonant Frequency	≥ 100 kHz	≥ 100 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.04 g rms	0.39 m/s <sup>2</sup> rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
<b>Environmental</b>			
Overload Limit(Shock)	± 30,000 g pk	± 294,300 m/s <sup>2</sup> pk	
Temperature Range(Operating)	-65 to +325 °F	-54 to +163 °C	
Temperature Response	See Graph	See Graph	[1]
<b>Electrical</b>			
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)	13.5 mg/√Hz	132 mm/s <sup>2</sup> /√Hz	[1]
Spectral Noise(10 Hz)	3.8 mg/√Hz	37.3 mm/s <sup>2</sup> /√Hz	[1]
Spectral Noise(100 Hz)	1.2 mg/√Hz	11.7 mm/s <sup>2</sup> /√Hz	[1]
Spectral Noise(1 kHz)	0.36 mg/√Hz	3.53 mm/s <sup>2</sup> /√Hz	[1]
Spectral Noise(10 kHz)	0.13 mg/√Hz	1.28 mm/s <sup>2</sup> /√Hz	[1]
<b>Physical</b>			
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	0.0055 oz	0.16 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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