

	ENGLISH	SI	
<b>Performance</b>			
Sensitivity(± 20 %)	1 mV/g	0.10 mV/(m/s <sup>2</sup> )	
Measurement Range	± 5,000 g pk	± 49,050 m/s <sup>2</sup> pk	
Frequency Range(+/- 5 %)	1.2 to 6,000 Hz	1.2 to 6,000 Hz	
Frequency Range(+/- 10 %)	1 to 10,000 Hz	1 to 10,000 Hz	
Resonant Frequency	≥ 50 kHz	≥ 50 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.02 g rms	0.2 m/s <sup>2</sup> rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
<b>Environmental</b>			
Overload Limit(Shock)	± 10,000 g pk	± 98,100 m/s <sup>2</sup> pk	
Temperature Range(Operating)	-65 to +325 °F	-54 to +163 °C	
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	0.05 g/µε	0.5 (m/s <sup>2</sup> )/µε	[1]
<b>Electrical</b>			
Excitation Voltage	20 to 30 VDC	20 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 14 VDC	8 to 14 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 <sup>2</sup> /√Hz	[1]
Spectral Noise(10 Hz)	1.2 mg/√Hz	11.8 mm/s <sup>2</sup> /√Hz	[1]
Spectral Noise(100 Hz)	0.48 mg/√Hz	4.71 mm/s <sup>2</sup> /√Hz	[1]
Spectral Noise(1 kHz)	0.17 mg/√Hz	1.67 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>			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Size (Height x Length x Width)	0.25 in x 0.25 in x 0.25 in	6.35 mm x 6.35 mm x 6.35 mm	
Weight(without cable)	0.03 oz	0.8 gm	[1]
Electrical Connector	Integral Cable	Integral Cable	
Electrical Connection Position	Side	Side	
Cable Termination	1/4-28 4-Pin Jack	1/4-28 4-Pin Jack	
Cable Length	5 ft	1.5 m	
Cable Type	019 4-cond Shielded	019 4-cond Shielded	
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.

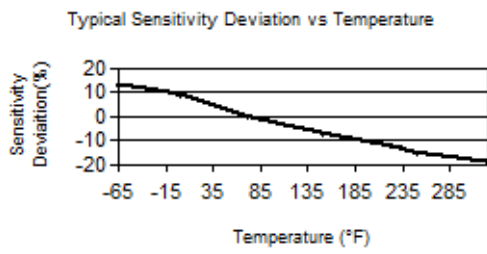
**SUPPLIED ACCESSORIES:**

Model 034G05 4-cond. shielded cable, 5 ft (1.5M), 4-pin plug to (3) BNC plugs (1)  
 Model 080A109 Petro Wax (1)  
 Model 080A90 Quick Bonding Gel (1)  
 Model ACS-1T NIST traceable amplitude response, 10 Hz to upper 5% frequency. (1)

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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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