

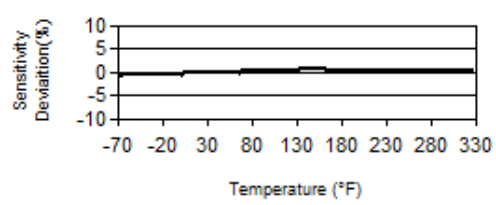
Performance	ENGLISH	SI	
Sensitivity(± 10 %)	10 mV/g	1.02 mV/(m/s <sup>2</sup> )	
Measurement Range	± 500 g pk	± 4905 m/s <sup>2</sup> pk	
Frequency Range(± 5 %)	2 to 6000 Hz	2 to 6000 Hz	
Frequency Range(± 10 %)	1 to 8000 Hz	1 to 8000 Hz	
Resonant Frequency	≥ 25 kHz	≥ 25 kHz	
Filter Type(single pole)	Low Pass	Low Pass	
Electrical Filter Roll-off	6 dB/octave	6 dB/octave	
Electrical Filter Corner Frequency	>13 kHz	>13 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.008 g rms	0.078 m/s <sup>2</sup> rms	[1]
Non-Linearity	≤ 0.5 %	≤ 0.5 %	
Transverse Sensitivity	≤ 5 %	≤ 5 %	
<b>Environmental</b>			
Overload Limit(Shock)	± 5000 g pk	± 49,050 m/s <sup>2</sup> pk	
Temperature Range(Operating)	-65 to +325 °F	-54 to +163 °C	
Temperature Response	See Graph	See Graph	[1]
Temperature Coefficient of Sensitivity	≤ .011 %/°F	≤ 0.020 %/°C	
<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	≤ 200 Ohm	≤ 200 Ohm	
Output Bias Voltage(Room Temperature)	7 to 12 VDC	7 to 12 VDC	
Discharge Time Constant	0.6 to 2 sec	0.6 to 2 sec	
Settling Time(within 10% of bias)	<3 sec	<3 sec	
Spectral Noise(1 Hz)	1700 µg/√Hz	16,660 (µm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise(10 Hz)	500 µg/√Hz	4900 (µm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise(100 Hz)	200 µg/√Hz	1960 (µm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise(1 kHz)	100 µg/√Hz	980 (µm/sec <sup>2</sup> )/√Hz	[1]
<b>Physical</b>			
Sensing Element	UHT-12™	UHT-12™	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Size (Height x Length x Width)	0.55 in x 0.4 in x 0.4 in	14 mm x 10.2 mm x 10.2 mm	[1]
Weight	0.2 oz	5.5 gm	
Electrical Connector	8-36 4-Pin	8-36 4-Pin	
Electrical Connection Position	Side	Side	
Mounting	Stud	Stud	
Mounting Thread	5-40 Female	5-40 Female	

**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] See PCB Declaration of Conformance PS023 for details.

**SUPPLIED ACCESSORIES:**  
Model 034K10 Cable 10FT Mini 4 Pin To (3) BNC (1)  
Model 080A Adhesive Mounting Base (1)  
Model 080A109 Petro Wax (1)  
Model 080A90 Quick Bonding Gel (1)  
Model 081A27 Mounting Stud (5-40 to 5-40) (1)  
Model 081A90 Mounting stud, 10-32 to 5-40 (1)  
Model ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)  
Model ACS-44T Triaxial extended amplitude response, upper 5% point to 10% point (requires ACS-1T or equivalent). (1)  
Model M081A27 Metric mounting stud, 5-40 to M3 x 0.50 long (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: GJR	Sales: JC	Approved: BAM	Spec Number:
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