

	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Sensitivity(± 10 %)	10 mV/g	1.02 mV/(m/s ²)	
Measurement Range	± 500 g pk	± 4905 m/s ² pk	
Frequency Range(± 5 %)	2 to 10,000 Hz	2 to 10,000 Hz	
Resonant Frequency	≥ 45 kHz	≥ 45 kHz	
Filter Type	Low Pass	Low Pass	
Electrical Filter Roll-off	6 dB/octave	6 dB/octave	
Electrical Filter Corner Frequency	>14 kHz	>14 kHz	
Broadband Resolution(1 to 10,000 Hz)	.003 g rms	.029 m/s ² rms	[1]
Non-Linearity	≤ 0.5 %	≤ 0.5 %	
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	± 5000 g pk	± 49,050 m/s ² pk	
Temperature Range(Operating)	-65 to +325 °F	-54 to +163 °C	
Temperature Response	See Graph	See Graph	[1]
Temperature Coefficient of Sensitivity	≤ 0.011 %/°F	≤ 0.020 %/°C	
Electrical			
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	0.5 to 2.0 sec	0.5 to 2.0 sec	
Settling Time(within 10% of bias)	<1.5 sec	<1.5 sec	
Spectral Noise(1 Hz)	1187 µg/√Hz	11,644 (µm/sec ²)/√Hz	[1]
Spectral Noise(10 Hz)	178 µg/√Hz	1746 (µm/sec ²)/√Hz	[1]
Spectral Noise(100 Hz)	48 µg/√Hz	471 (µm/sec ²)/√Hz	[1]
Spectral Noise(1 kHz)	25 µg/√Hz	245 (µm/sec ²)/√Hz	[1]
Physical			
Sensing Element	UHT-12™	UHT-12™	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Size (Height x Length x Width)	0.28 in x 0.47 in x 0.47 in	7.0 mm x 12.0 mm x 12.0 mm	
Weight	0.13 oz	3.6 gm	[1]
Electrical Connector	8-36 4-Pin	8-36 4-Pin	
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.

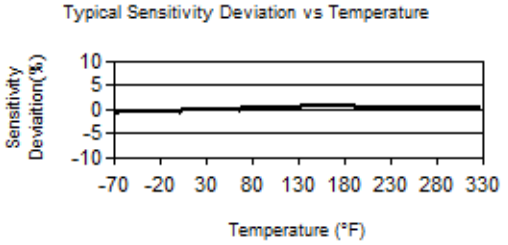
[2] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:

Model 034K10 Cable 10FT Mini 4 Pin To (3) BNC (1)

Model 080A90 Quick Bonding Gel (1)

Model ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)



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: BAM	Sales: KK	Approved: BAM	Spec Number:
Date: 3/20/2019	Date: 3/20/2019	Date: 3/20/2019	Date: 3/20/2019	65949