

	ENGLISH	SI	
Performance			
Sensitivity(± 30 %)	0.5 mV/g	.05 mV/(m/s ²)	
Measurement Range	± 10,000 g pk	± 98,000 m/s ² pk	
Frequency Range(± 1 dB)	0.4 to 10,000 Hz	0.4 to 10,000 Hz	
Frequency Range(- 3 dB)	0.2 to 25,000 Hz	0.2 to 25,000 Hz	[1]
Electrical Filter Corner Frequency(- 3 dB)	13 kHz	13 kHz	[2][3]
Mechanical Filter Resonant Frequency	23 kHz	23 kHz	[2][4]
Resonant Frequency	≥ 100 kHz	≥ 100 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.04 g rms	0.39 m/s ² rms	[2]
Non-Linearity(per 1000 g (9810 m/s ²))	≤ 2 %	≤ 2 %	
Transverse Sensitivity	≤ 7 %	≤ 7 %	
Environmental			
Overload Limit(Shock)	± 50,000 g pk	± 490,000 m/s ² pk	
Temperature Range(Operating)	-10 to +150 °F	-23 to +66 °C	
Temperature Range(Storage)	-40 to +200 °F	-40 to +93 °C	
Temperature Response	See Graph	See Graph	[2][5]
Base Strain Sensitivity	0.002 g/µε	0.02 (m/s ²)/µε	[2]
Electrical			
Excitation Voltage	20 to 30 VDC	20 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤ 200 Ohm	≤ 200 Ohm	
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC	
Discharge Time Constant	1 to 2 sec	1 to 2 sec	[2]
Settling Time(within 10% of bias)	≤ 10 sec	≤ 10 sec	
Electrical Isolation(Case)	≥ 1,000,000 Ohm	≥ 1,000,000 Ohm	
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Size (Hex x Height)	0.375 in x 1.04 in	3/8 in x 26.5 mm	
Weight(without cable)	0.19 oz	5.4 gm	[2]
Electrical Connector	Integral Cable	Integral Cable	
Cable Termination	10-32 Coaxial Plug	10-32 Coaxial Plug	
Cable Length	10 ft	3.05 m	
Cable Type	031 Twisted Pair	031 Twisted Pair	
Mounting Thread	1/4-28 Male	1/4-28 Male	

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 corner frequency for coupled electrical and mechanical filters.
 [2]Typical.
 [3]Electrical filter is a second order filter.
 [4]Amplitude at resonance is +9 dB.
 [5]Test conducted on shaker at 100Hz.
 [6]See PCB Declaration of Conformance PS135 for details.

SUPPLIED ACCESSORIES:


Model ACS-14 High G shock accelerometer calibration using Hopkinson bar. (1)
 Model ACS-22 NIST Traceable frequency response (100Hz to ±1 dB point) (1)

Entered: ND	Engineer: MB	Sales: KK	Approved: BAM	Spec Number:
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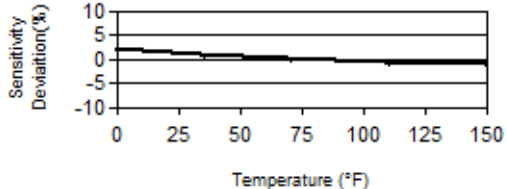

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Typical Sensitivity Deviation vs Temperature



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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