

<b>Performance</b>	<u>ENGLISH</u>	<u>SI</u>	
Sensitivity(± 30 %)	0.05 mV/g	0.005 mV/(m/s <sup>2</sup> )	
Measurement Range	± 100,000 g pk	± 981,000 m/s <sup>2</sup> pk	
Frequency Range(± 1 dB)	4 to 10,000 Hz	4 to 10,000 Hz	
Frequency Range(-3 dB)	2 to 25,000 Hz	2 to 25,000 Hz	[3]
Electrical Filter Corner Frequency(-3 dB)	21 kHz	21 kHz	[1][4]
Mechanical Filter Resonant Frequency	35 kHz	35 kHz	[1][5]
Resonant Frequency	≥ 100 kHz	≥ 100 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.5 g rms	4.9 m/s <sup>2</sup> rms	[1]
Non-Linearity(per 10,000 g (98,100 m/s <sup>2</sup> ))	≤ 2.5 %	≤ 2.5 %	
Transverse Sensitivity	≤ 7 %	≤ 7 %	
<b>Environmental</b>			
Overload Limit(Shock)	± 150,000 g pk	± 1,471,500 m/s <sup>2</sup> 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	[1][2]
<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	≤ 200 Ohm	≤ 200 Ohm	
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC	
Discharge Time Constant	0.10 sec	0.10 sec	[1]
Settling Time(within 10% of bias)	<1 sec	<1 sec	
Electrical Isolation(Case)	>1,000,000 Ohm	>1,000,000 Ohm	
<b>Physical</b>			
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	9.5 mm x 26.5 mm	
Weight(without cable)	0.20 oz	5.5 gm	[1]
Electrical Connector	Integral Cable	Integral Cable	
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	

<b>OPTIONAL VERSIONS</b>		
Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.		
<b>M</b> - Metric Mount		
Mounting Thread	M6 x 0.75 Male	M6 x 0.75 Male

**NOTES:**

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

**SUPPLIED ACCESSORIES:**

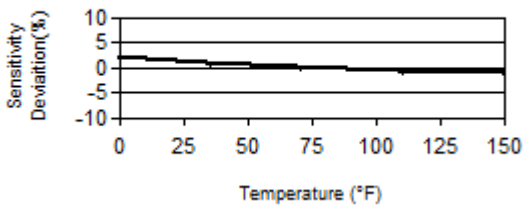
Model ACS-14 High G shock accelerometer calibration using Hopkinson bar. (1)  
 Model ACS-22 NIST Traceable frequency response (100Hz to ±1 dB point) (1)

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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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