

	<u>ENGLISH</u>	<u>SI</u>	
<b>Performance</b>			
Sensitivity(± 30 %)	1.0 mV/g	0.1 mV/(m/s <sup>2</sup> )	
Measurement Range	± 5000 g pk	± 49,000 m/s <sup>2</sup> 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	[2]
Electrical Filter Corner Frequency(-3 dB)	21 kHz	21 kHz	[1][3]
Mechanical Filter Resonant Frequency	35 kHz	35 kHz	[1][4]
Resonant Frequency	≥ 100 kHz	≥ 100 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.02 g rms	0.20 m/s <sup>2</sup> rms	[1]
Non-Linearity(per 1000 g (9810 m/s <sup>2</sup> ))	≤ 2.0 %	≤ 2.0 %	
Transverse Sensitivity	≤ 7 %	≤ 7 %	
<b>Environmental</b>			
Overload Limit(Shock)	± 50,000 g pk	± 490,000 m/s <sup>2</sup> pk	
Temperature Range(Operating)	0 to +150 °F	-18 to +66 °C	
Temperature Range(Storage)	-40 to +200 °F	-40 to +93 °C	
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	0.002 g/με	0.02 (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	≤ 200 Ohm	≤ 200 Ohm	
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC	
Discharge Time Constant	1.0 to 2.0 sec	1.0 to 2.0 sec	[1]
Settling Time(within 10% of bias)	<10 sec	<10 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 0.88 in	9.5 mm x 22.4 mm	
Weight(without cable)	0.19 oz	5.4 gm	[1]
Electrical Connector	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	

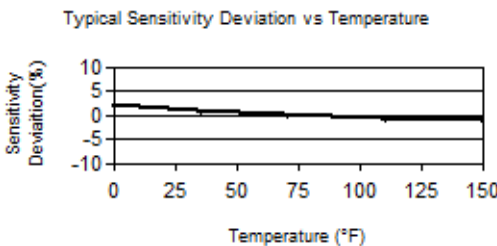
**OPTIONAL VERSIONS**

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

<b>M</b> - Metric Mount		
Mounting Thread	M6 x 0.75 Male	M6 x 0.75 Male

**NOTES:**

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



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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**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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**Phone: 716-684-0001**  
**Fax: 716-684-0987**  
**E-Mail: info@pcb.com**