

	ENGLISH	SI	
Performance			
Sensitivity(± 15 %)	1.0 mV/g	0.102 mV/(m/s ²)	
Measurement Range	± 5,000 g pk	± 49,000 m/s ² pk	
Frequency Range(± 10 %)	0.4 to 7,500 Hz	0.4 to 7,500 Hz	
Electrical Filter Cutoff Frequency(- 10 %)	≥ 75 kHz	≥ 75 kHz	[1]
Resonant Frequency	≥ 50 kHz	≥ 50 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.02 g rms	0.20 m/s ² rms	[2]
Non-Linearity(per 1000 g (9810 m/s ²))	≤ 1 %	≤ 1 %	
Transverse Sensitivity	≤ 5 %	≤ 5 %	[3]
Environmental			
Overload Limit(Shock)	± 30,000 g pk	± 294,000 m/s ² pk	
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C	
Temperature Range(Storage)	-65 to +250 °F	-54 to +121 °C	
Temperature Response	See Graph	See Graph	[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	≤ 100 Ohm	≤ 100 Ohm	
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC	
Discharge Time Constant	≥ 1.8 sec	≥ 1.8 sec	
Settling Time(within 10% of bias)	≤ 11 sec	≤ 11 sec	
Physical			
Sensing Element	Quartz	Quartz	
Sensing Geometry	Shear	Shear	
Housing Material	Stainless Steel	Stainless Steel	
Sealing	Hermetic	Hermetic	
Size (Hex x Height)	0.5 in x 1.45 in	12.7 mm x 36.8 mm	
Weight	0.63 oz	17.9 gm	[2]
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Electrical Connection Position	Top	Top	
Mounting Thread	1/4-28 Male	1/4-28 Male	
Mounting Torque	25 to 40 in-lb	280 to 450 N-cm	

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.		
M - Metric Mount Mounting Thread	M6 x 0.75 Male	M6 x 0.75 Male

NOTES:

[1]Electrical filter is a first order low pass filter
 [2]Typical.
 [3]Transverse sensitivity is typically ≤ 3%.
 [4]See PCB Declaration of Conformance PS022 for details.

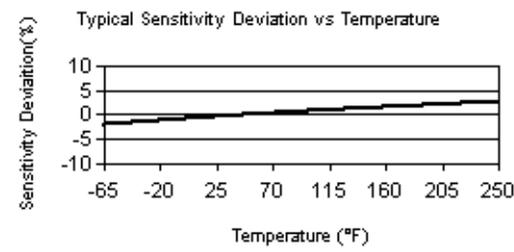
SUPPLIED ACCESSORIES:

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: NJF	Sales: KK	Approved: NJF	Spec Number:
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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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