

	ENGLISH	SI	
Performance			
Sensitivity (±10 %)	5 mV/g	0.51 mV/(m/s ²)	
Measurement Range	±300 g pk	±2943 m/s ² pk	
Frequency Range (±5 %)	1 to 10000 Hz	1 to 10000 Hz	
Frequency Range (±10 %)	0.7 to 15000 Hz	0.7 to 15000 Hz	
Frequency Range (±3 dB)	0.35 to 30000 Hz	0.35 to 30000 Hz	
Resonant Frequency	≥40 kHz	≥40 kHz	
Broadband Resolution (1 to 10000 Hz)	0.01 g rms	0.1 m/s ² rms	[1]
Non-Linearity	≤1 %	≤1 %	[2]
Transverse Sensitivity	≤5 %	≤5 %	[3]
Environmental			
Overload Limit	±10000 g pk	±98100 m/s ² pk	
Temperature Range	-320 to +250 °F	-196 to +121 °C	
Temperature Response	See Graph	See Graph	
Base Strain Sensitivity	≤0.002 g/με	≤0.02 (m/s ²)/με	[1]
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 ohms	≤100 ohms	
Output Bias Voltage	3 to 10 VDC	3 to 10 VDC	
Discharge Time Constant	0.5 to 2.0 sec	0.5 to 2.0 sec	
Settling Time (within 10% of bias)	<5 sec	<5 sec	
Spectral Noise (1 Hz)	2000 μg/√Hz	19620 (μm/s ²)/√Hz	[1]
Spectral Noise (10 Hz)	400 μg/√Hz	3924 (μm/s ²)/√Hz	[1]
Spectral Noise (100 Hz)	120 μg/√Hz	1177 (μm/s ²)/√Hz	[1]
Spectral Noise (1 kHz)	30 μg/√Hz	294 (μm/s ²)/√Hz	[1]
Physical			
Sensing Element	Quartz	Quartz	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Size (Hex x Height)	0.31 in x 0.43 in	7.9 mm x 10.9 mm	[1]
Weight	0.07 oz	2.0 gm	
Electrical Connector	5-44 Coaxial	5-44 Coaxial	
Electrical Connection Position	Side	Side	
Mounting Thread	5-40 Male	5-40 Male	
Mounting Torque	8 to 12 in-lb	90 to 135 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.		
A - Adhesive Mount		[5]
J - Ground Isolated		
Frequency Range (+5 %)	8 kHz	8 kHz
Frequency Range (+10 %)	15 kHz	15 kHz
Resonant Frequency	≥36 kHz	≥36 kHz
Electrical Isolation (Base)	>10 ⁸ ohms	>10 ⁸ ohms
Size (Hex x Height)	0.37 in x 0.55 in	9.5 mm x 14.0 mm
Weight	0.11 oz	3.2 gm
M - Metric Mount		
Mounting Thread	M3 x 0.50 Male	M3 x 0.50 Male
W - Water Resistant Cable		
Electrical Connector	Sealed Integral Cable	Sealed Integral Cable
Electrical Connection Position	Side	Side

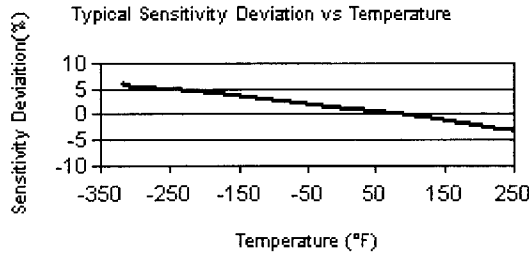
NOTES:
 [1] Typical.
 [2] Zero-based, least-squares, straight line method.
 [3] Transverse sensitivity is typically ≤ 3%.
 [4] See PCB Declaration of Conformance PS023 for details.
 [5] Mounting stud removed, adhesive mounting base not required.

SUPPLIED ACCESSORIES:
 Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)

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All specifications are at room temperature unless otherwise specified.
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