

Performance	ENGLISH	SI	
Sensitivity(± 10 %)	10 mV/g	1.02 mV/(m/s ²)	
Measurement Range	± 500 g pk	± 4905 m/s ² pk	
Frequency Range(± 5 %)	1 to 5500 Hz	1 to 5500 Hz	
Frequency Range(± 10 %)	0.8 to 15,000 Hz	0.8 to 15,000 Hz	
Frequency Range(± 3 dB)	.5 to 22,000 Hz	.5 to 22,000 Hz	
Resonant Frequency	≥ 45 kHz	≥ 45 kHz	
Broadband Resolution(500 to 50,000 Hz)	0.001 g rms	0.01 m/s ² rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit	± 5000 g pk	± 49,050 m/s ² pk	
Temperature Range	-65 to +250 °F	-54 to +121 °C	
Temperature Response	See Graph	See Graph	
Base Strain Sensitivity	≤ 0.08 g/με	≤ 0.8 (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	≤ 300 Ohm	≤ 300 Ohm	
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC	
Discharge Time Constant	0.4 to 1.5 sec	0.4 to 1.5 sec	
Settling Time(within 10% of bias)	≤ 15 sec	≤ 15 sec	
Spectral Noise(10 Hz)	10 μg/√Hz	98 (μm/sec ²)/√Hz	[1]
Spectral Noise(100 Hz)	5 μg/√Hz	47 (μm/sec ²)/√Hz	[1]
Spectral Noise(1 kHz)	5 μg/√Hz	47 (μm/sec ²)/√Hz	[1]
Spectral Noise(10 kHz)	5 μg/√Hz	47 (μm/sec ²)/√Hz	[1]
Electrical Isolation(Case)	≥ 10 ⁸ Ohm	≥ 10 ⁸ Ohm	
Physical			
Size (Height x Length x Width)	.32 in x 0.94 in x 0.46 in	8.1 x 23.8 mm x 11.7 mm	
Weight(without cable)	.13 oz	3.6 gm	[1]
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Electrical Connector	Sealed Integral Cable	Sealed Integral Cable	
Electrical Connection Position	Side	Side	
Cable Termination	Pigtail Ends	Pigtail Ends	
Cable Length	20.0 ft	6.1 m	
Cable Type	2-cond Shld, 26 AWG, XLETFE Jacket	2-cond Shld, 26 AWG, XLETFE Jacket	
Mounting	Through Hole	Through Hole	
Mounting Torque	1 to 2 in-lb	11 to 23 N-cm	

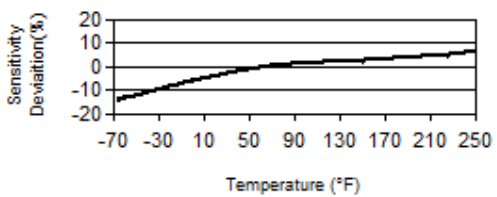
OPTIONAL VERSIONS

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

NOTES:
 [1] Typical.
 [2] Zero-based, least-squares, straight line method.
 [3] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:
 Model 100-8002-20 #1 SS Washer (1)
 Model 37642-01 Screw 1-72 X .41 SHCS SS (1)
 Model ACS-166 NIST traceable frequency response (50 Hz to 20 KHz) (1)

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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