

	ENGLISH	SI	
Performance			
Sensitivity(± 20 %)	1 mV/g	0.102 mV/(m/s ²)	
Measurement Range	± 5,000 g pk	± 49,050 m/s ² pk	
Frequency Range(± 5 %)	1 to 5,000 Hz	1 to 5,000 Hz	
Frequency Range(± 10 %)	0.6 to 10,000 Hz	0.6 to 10,000 Hz	[1]
Frequency Range(± 3 dB)	0.3 to 20,000 Hz	0.3 to 20,000 Hz	[1]
Filter Type	single pole	single pole	
Electrical Filter Corner Frequency	≥ 20,000 Hz	≥ 20,000 Hz	
Resonant Frequency	≥ 50 kHz	≥ 50 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.04 g rms	0.39 m/s ² rms	[2]
Non-Linearity	≤ 1 %	≤ 1 %	[3]
Transverse Sensitivity	≤ 5 %	≤ 5 %	[4]
Environmental			
Overload Limit(Shock)	± 10,000 g pk	± 98,100 m/s ² pk	
Temperature Range(Operating)	-100 to 325 °F	-73 to 163 °C	
Temperature Coefficient of Sensitivity	± 0.005 %/°F	± 0.009 %/°C	[2]
Temperature Response	See Graph	See Graph	[2]
Base Strain Sensitivity	≤ .2 g/µε	≤ 2 (m/s ²)/µε	[2]
Electrical			
Excitation Voltage	19 to 30 VDC	19 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 12 VDC	8 to 12 VDC	
Discharge Time Constant	0.4 to 2.2 sec	0.4 to 2.2 sec	
Settling Time(within 10% of bias)	≤ 10 sec	≤ 10 sec	
Spectral Noise(1 Hz)	7,500 µg/√Hz	73,500 (µm/sec ²)/√Hz	[2]
Spectral Noise(10 Hz)	1,500 µg/√Hz	14,700 (µm/sec ²)/√Hz	[2]
Spectral Noise(100 Hz)	500 µg/√Hz	4,905 (µm/sec ²)/√Hz	[2]
Spectral Noise(1 kHz)	250 µg/√Hz	2,450 (µm/sec ²)/√Hz	[2]
Electrical Isolation(Base)	≥ 10 ⁸ Ohm	≥ 10 ⁸ Ohm	[5][1]
Physical			
Sensing Element	UHT-12™	UHT-12™	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Size (Height x Length x Width)	0.23 in x 0.68 in x 0.38 in	5.84 mm x 17.3 mm x 9.6 mm	
Weight	.065 oz	1.85 gm	[2]
Electrical Connector	5-44 Coaxial	5-44 Coaxial	
Electrical Connection Position	Side	Side	
Mounting	Through Hole	Through Hole	

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
 Supplied Accessory: Model M039A20 Allen wrench, 1.5mm hex (1)
 Supplied Accessory: Model M081B36 Insulated cap screw, M2x0.4 thd x 3/8" long (for Model M357B06) (1)

NOTES:

[1]When used with off ground washer, high frequency specification is typically 2 kHz less on 10% and 3 dB points.
 [2]Typical.
 [3]Zero-based, least-squares, straight line method.
 [4]Transverse sensitivity is typically <= 3%.
 [5]Only when using off ground washer.
 [6]See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:

Model 039A20 Allen wrench, 5/64" hex (1)
 Model 081B36 Insulated cap screw, 2-56 thd x 3/8" long (for Model 357B06) (1)
 Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)

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[6]

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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