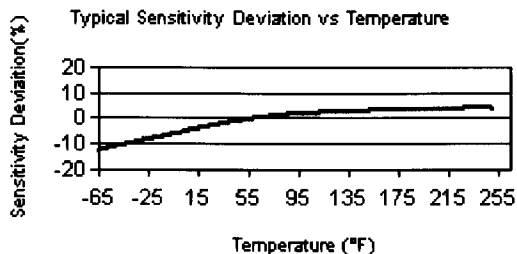


	ENGLISH	SI	
Performance			
Sensitivity(± 10 %)	100 mV/g	10.2 mV/(m/s ²)	
Measurement Range	± 50 g pk	± 490 m/s ² pk	
Frequency Range(± 5 %)	1.0 to 8000 Hz	1.0 to 8000 Hz	
Frequency Range(± 10 %)	0.8 to 10,000 Hz	0.8 to 10,000 Hz	
Frequency Range(± 3 dB)	0.4 to 12,000 Hz	0.4 to 12,000 Hz	
Resonant Frequency	≥ 30 kHz	≥ 30 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.0002 g rms	0.002 m/s ² rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	± 5000 g pk	± 49,050 m/s ² pk	
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C	
Temperature Response	See Graph	See Graph	
Electrical			
Excitation Voltage	18 to 30 VDC	18 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)	<8 sec	<8 sec	
Spectral Noise(1 Hz)	80 µg/√Hz	785 (µm/s ²)/√Hz	
Spectral Noise(10 Hz)	15 µg/√Hz	147 (µm/s ²)/√Hz	[1]
Spectral Noise(100 Hz)	4 µg/√Hz	39 (µm/s ²)/√Hz	[1]
Spectral Noise(1 kHz)	1 µg/√Hz	9.8 (µm/s ²)/√Hz	[1]
Electrical Isolation(Base)	≥ 10 ⁸ ohm	≥ 10 ⁸ ohm	
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Anodized Aluminum	Anodized Aluminum	
Sealing	Epoxy	Epoxy	
Size (Height x Length x Width)	0.19 in x 0.48 in x 0.28 in	4.8 mm x 12.2 mm x 7.1 mm	
Weight	0.03 oz	0.8 gm	[1]
Electrical Connector	3-56 Coaxial Jack	3-56 Coaxial Jack	
Electrical Connection Position	Side	Side	
Mounting	Adhesive	Adhesive	



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.

RH - RoHS Compliant
 Supplied Accessory : Model RH030A10 Coax Cable, 10 ft (3 m), 3-56 plug to 10-32 plug, RoHS compliant. replaces Model 030A10

NOTES:

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

SUPPLIED ACCESSORIES:

Model 030A10 Coax Cable, 10 ft (3 m), 3-56 plug to 10-32 plug. (1)
 Model 039A28 Removal Tool (1)
 Model 080A109 Petro Wax (1)
 Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)

Entered: <i>[Signature]</i>	Engineer: <i>EB</i>	Sales: <i>RJL</i>	Approved: <i>BM</i>	Spec Number:
Date: 8-23-07	Date: 8-23-07	Date: 8-23-07	Date: 8-23-07	12320

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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