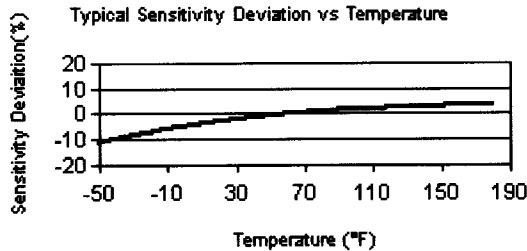


	ENGLISH	SI	
Performance			
Sensitivity(± 10 %)	10,000 mV/g	1019.4 mV/(m/s ²)	
Measurement Range	0.5 g pk	4.9 m/s ² pk	
Frequency Range(± 5 %)	0.15 to 1000 Hz	0.15 to 1000 Hz	
Frequency Range(± 10 %)	0.10 to 2000 Hz	0.10 to 2000 Hz	
Frequency Range(± 3 dB)	0.05 to 4000 Hz	0.05 to 4000 Hz	
Resonant Frequency	≥ 10 kHz	≥ 10 kHz	
Phase Response(± 5 °)	1 to 1000 Hz	1 to 1000 Hz	
Broadband Resolution(1 to 10,000 Hz)	0.000008 g rms	0.00008 m/s ² rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 7.0 %	≤ 7.0 %	
Environmental			
Overload Limit(Shock)	± 5000 g pk	± 49,050 m/s ² pk	
Temperature Range	-50 to +180 °F	-45 to +82 °C	
Temperature Response	See Graph	See Graph	
Base Strain Sensitivity	≤ 0.0005 g/µε	≤ 0.005 (m/s ²)/µε	[1]
Electrical			
Excitation Voltage	18 to 30 VDC	18 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	<1500 ohm	<1500 ohm	
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC	
Discharge Time Constant	≥ 3.5 sec	≥ 3.5 sec	
Settling Time	<60 sec	<60 sec	
Spectral Noise(1 Hz)	1.30 µg/√Hz	12.7 (µm/s ²)/√Hz	[1]
Spectral Noise(10 Hz)	0.32 µg/√Hz	3.1 (µm/s ²)/√Hz	[1]
Spectral Noise(100 Hz)	0.13 µg/√Hz	1.3 (µm/s ²)/√Hz	[1]
Spectral Noise(1 kHz)	0.10 µg/√Hz	1.0 (µm/s ²)/√Hz	[1]
Electrical Isolation(Case)	≥ 10 ⁸ ohm	≥ 10 ⁸ ohm	
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Stainless Steel	Stainless Steel	
Sealing	Hermetic	Hermetic	
Size (Hex x Height)	1 3/16 in x 2 3/16 in	30.2 mm x 55.6 mm	
Weight	7.4 oz	210 gm	[1]
Electrical Connector	2-Pin MIL-C-5015	2-Pin MIL-C-5015	
Electrical Connection Position	Top	Top	
Mounting Thread	1/4-28 Female	1/4-28 Female	
Mounting Torque	2 to 5 ft-lb	2.7 to 6.8 N-m	

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 081B20 Mounting Stud, with shoulder (1/4-28 to 1/4-28) (1)
Model 085A31 Protective Thermal Jacket (1)
Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)
Model ACS-4 Single-axis, low frequency phase and amplitude response calibration. (1)
Model M081B20 Mounting Stud 1/4-28 to M6 X 0.75 (1)



Entered: <i>[Signature]</i>	Engineer: <i>[Signature]</i>	Sales: <i>[Signature]</i>	Approved: <i>[Signature]</i>	Spec Number:
Date: 2-21-07	Date: 2/23/07	Date: 2/23/07	Date: 2/23/07	393-2120-80

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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