

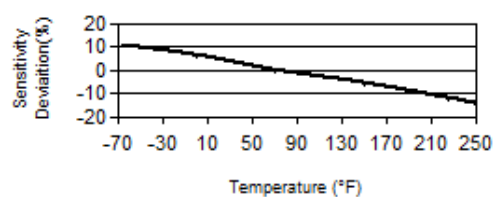
	ENGLISH	SI	
Performance			
Sensitivity(± 10 %)	10 mV/g	1.02 mV/(m/s ²)	
Measurement Range	± 500 g pk	± 4905 m/s ² pk	
Frequency Range(± 5 %)(y or z axis)	2 to 10,000 Hz	2 to 10,000 Hz	
Frequency Range(± 5 %)(x axis)	2 to 7000 Hz	2 to 7000 Hz	
Resonant Frequency	≥ 55 kHz	≥ 55 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.003 g rms	0.03 m/s ² rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	± 10,000 g pk	± 98,100 m/s ² pk	
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C	
Temperature Response	See Graph	See Graph	[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	≤ 200 Ohm	≤ 200 Ohm	
Output Bias Voltage	7 to 12 VDC	7 to 12 VDC	
Discharge Time Constant	0.3 to 1.0 sec	0.3 to 1.0 sec	
Settling Time(within 10% of bias)	<3 sec	<3 sec	
Spectral Noise(1 Hz)	1000 µg/√Hz	9810 (µm/sec ²)/√Hz	[1]
Spectral Noise(10 Hz)	300 µg/√Hz	2943 (µm/sec ²)/√Hz	[1]
Spectral Noise(100 Hz)	80 µg/√Hz	785 (µm/sec ²)/√Hz	[1]
Spectral Noise(1 kHz)	25 µg/√Hz	308 (µm/sec ²)/√Hz	[1]
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Welded Hermetic	Welded Hermetic	
Size (Height x Length x Width)	0.4 in x 0.4 in x 0.4 in	10.2 mm x 10.2 mm x 10.2 mm	
Weight(without cable)	0.14 oz	4 gm	[1]
Electrical Connector	Integral Cable	Integral Cable	[3]
Electrical Connection Position	Side	Side	
Cable Termination	1/4-28 4-Pin Jack	1/4-28 4-Pin Jack	
Cable Length	5 ft	1.5 m	
Cable Type	034 4-cond Shielded	034 4-cond Shielded	[4]
Mounting Thread	5-40 Female	5-40 Female	
Mounting Torque	4 to 5 in-lb	45 to 56 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] Materials selected for a TML of 1% or less and a CVM of 0.1% or less.
 [4] Outgassing is limited to PTFE in the cable. All other outgassing materials are omitted from this model.
 [5] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:
 Model 034M22/005 4-cond. shielded cable, 5 ft (1.5M), 4-pin plug to (3) BNC plugs (1)
 Model 080A Adhesive Mounting Base (1)
 Model 080A109 Petro Wax (1)
 Model 081A27 Mounting Stud (5-40 to 5-40) (1)
 Model 081A90 Mounting stud, 10-32 to 5-40 (1)
 Model ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)
 Model M081A27 Metric mounting stud, 5-40 to M3 x 0.50 long (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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Entered: LK Engineer: RB Sales: RWM Approved: BAM Spec Number:
 Date: 9/2/2016 Date: 9/2/2016 Date: 9/2/2016 Date: 9/2/2016 **10267**