

	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 %)	0.17 to 700 Hz	0.17 to 700 Hz	
Frequency Range(± 10 %)	0.12 to 1,400 Hz	0.12 to 1,400 Hz	
Frequency Range(± 3 dB)	0.06 to 2,500 Hz	0.06 to 2,500 Hz	
Resonant Frequency	9 kHz	9 kHz	[1]
Phase Response(± 5 °)	1 to 700 Hz	1 to 700 Hz	
Electrical Filter Corner Frequency	13.5 kHz	13.5 kHz	[1]
Electrical Filter Roll-off	6 dB/octave	6 dB/octave	[1]
Broadband Resolution(1 to 10,000 Hz)	10 µg rms	98 µm/sec ² rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 7.0 %	≤ 7.0 %	
TEDS Compliant(Per IEEE 1451.4)	Yes	Yes	
Environmental			
Overload Limit(Shock)	± 1,500 g pk	± 14,715 m/s ² pk	
Temperature Range	-50 to +180 °F	-45 to +82 °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	< 500 Ohm	< 500 Ohm	
Output Bias Voltage	8.7 to 12.7 VDC	8.7 to 12.7 VDC	
Discharge Time Constant	2.9 to 7 sec	2.9 to 7 sec	
Settling Time(within 10% of bias)	< 60 sec	< 60 sec	
Spectral Noise(1 Hz)	1.30 µg/√Hz	12.7 (µm/sec ²)/√Hz	[1]
Spectral Noise(10 Hz)	0.40 µg/√Hz	3.9 (µm/sec ²)/√Hz	[1]
Spectral Noise(100 Hz)	0.15 µg/√Hz	1.5 (µm/sec ²)/√Hz	[1]
Spectral Noise(1 kHz)	0.10 µg/√Hz	1.0 (µm/sec 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 - Height	1.26 in	32 mm	
Weight	22.7 oz	645 gm	[1]
Electrical Connector	1/4-28 4-Pin	1/4-28 4-Pin	
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.

NOTES:

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

SUPPLIED ACCESSORIES:

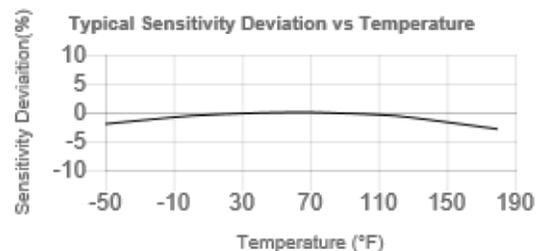
Model 081M269 Mounting Screw (M5x0.8, 37mm SHCS) (2)
 Model ACS-11T NIST traceable amplitude response calibration from 0.5 Hz to upper 5% point. (1)

Entered: ND	Engineer: DK	Sales: KK	Approved: BAM	Spec Number:
Date: 03/19/2025	Date: 03/19/2025	Date: 03/19/2025	Date: 03/19/2025	74232

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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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