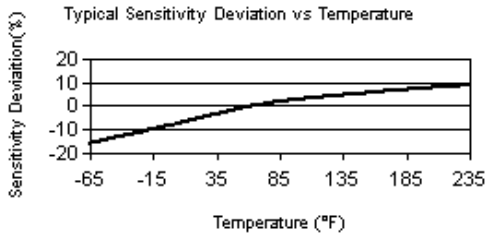


	ENGLISH	SI	
Performance			
Sensitivity(± 10 %)	100 mV/in/sec	3937 mV/m/sec	[2]
Measurement Range	± 50 in/sec	± 1.27 m/sec	
Frequency Range(± 10 %)	240 to 270,000 cpm	4 to 4500 Hz	[3][4]
Frequency Range(± 3 dB)	180 to 540,000 cpm	3 to 9000 Hz	
Resonant Frequency	1200 kcpm	20 kHz	[1]
Broadband Resolution(1 to 10,000 Hz)	450 µin/sec	11.4 µm/sec	[1]
Non-Linearity	± 1 %	± 1 %	[5]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	5000 g pk	49,050 m/s ² pk	
Temperature Range	-65 to +250 °F	-54 to +121 °C	
Temperature Response	See Graph	See Graph	[1]
Enclosure Rating	IP68	IP68	
Electrical			
Settling Time(within 1% of bias)	≤ 30 sec	≤ 30 sec	
Excitation Voltage	18 to 28 VDC	18 to 28 VDC	
Constant Current Excitation	2 to 10 mA	2 to 10 mA	
Output Impedance	<100 Ohm	<100 Ohm	
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC	
Spectral Noise(10 Hz)	40 µin/sec/√Hz	1.12 µm/sec/√Hz	[1]
Spectral Noise(100 Hz)	7.0 µin/sec/√Hz	0.18 µm/sec/√Hz	[1]
Spectral Noise(1 kHz)	0.4 µin/sec/√Hz	0.01 µm/sec/√Hz	[1]
Electrical Protection	RFI/ESD	RFI/ESD	
Electrical Isolation	>10 ⁸ Ohm	>10 ⁸ Ohm	
Physical			
Size (Hex x Height)	7/8 in x 2.06 in	22 mm x 52.3 mm	
Weight	3.3 oz	94 gm	
Mounting Thread	1/4-28 Female	1/4-28 Female	[6]
Mounting Torque	2 to 5 ft-lb	2.7 to 6.8 Nm	
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Stainless Steel	Stainless Steel	
Sealing	Welded Hermetic	Welded Hermetic	
Electrical Connector	2-Pin MIL-C-5015	2-Pin MIL-C-5015	
Electrical Connection Position	Top	Top	



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.

CS - Canadian Standards Association Approved Intrinsically Safe

Hazardous Area Approval Cl I, Div I, Groups A, B, C, D; Cl II, Div I, Groups E, F, G; Cl III, Div I, Groups E, F, G; Cl III, Div I

Hazardous Area Approval Ex ia IIC T4, AExia IIC, T4 Ex ia IIC T4, AExia IIC, T4

Hazardous Area Approval Cl I, Div 2, Groups A, B, C, D; ExnL IIC T4, AExnA IIC T4 Cl I, Div 2, Groups A, B, C, D; ExnL IIC T4, AExnA IIC T4

EX - Hazardous Area Approval- contact factory for specific approvals

Hazardous Area Approval EEx ia IIC T4, -54°C≤Tas≤121°C, II 1 G EEx ia IIC T4, -54°C≤Tas≤121°C, II 1 G

M - Metric Mount

Supplied Accessory : Model M081A61 Mounting Stud 1/4-28 to M6 X 1 (1)

NOTES:

[1] Typical.

[2] Conversion Factor 1g = 9.81 m/s².

[3] The high frequency tolerance is accurate within ±10% of the specified frequency.

[4] 1Hz = 60 cpm (cycles per minute).

[5] Zero-based, least-squares, straight line method.

[6] 1/4-28 has no equivalent in S.I. units.

[7] See PCB Declaration of Conformance PS023 or PS061 for details.

SUPPLIED ACCESSORIES:

Model 081A40 Mounting Stud (1)

Model ICS-1 NIST-traceable single-axis amplitude response calibration from 600 cpm (10 Hz) to upper 5% frequency (1)

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All specifications are at room temperature unless otherwise specified.
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