

Performance

Sensitivity ($\pm 10\%$)	26 pC/g	2.6 pC/(m/s ²)	[2]
Frequency Range (+10 %)	300 kcpm	5 kHz	[3]
Frequency Range (+3 dB)	600 kcpm	10 kHz	
Resonant Frequency	1800 kcpm	30 kHz	[1]
Non-Linearity	$\pm 1\%$	$\pm 1\%$	[4]
Transverse Sensitivity	$\leq 5\%$	$\leq 5\%$	

Environmental

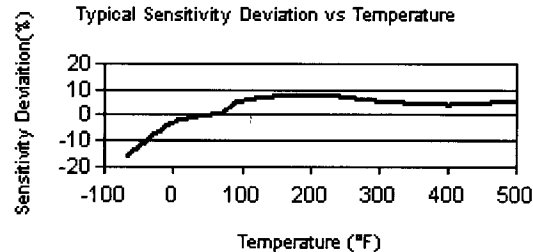
Overload Limit (Shock)	5000 g pk	49,050 m/s ² pk	
Temperature Range (Operating)	-65 to +500 °F	-54 to +260 °C	
Temperature Response	See Graph	See Graph	[1]
Enclosure Rating	IP68	IP68	

Electrical

Capacitance	1500 pF	1500 pF	[1]
Insulation Resistance (at room temp)	$\geq 0.5 \times 10^{12}$ ohm	$\geq 0.5 \times 10^{12}$ ohm	[1]
Insulation Resistance (at 500 °F)	$> 10^9$ ohm	$> 10^9$ ohm	[1]
Electrical Isolation (Base)	$> 10^8$ ohm	$> 10^8$ ohm	[1]
Output Polarity	Negative	Negative	

Physical

Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Stainless Steel	Stainless Steel	
Sealing	Welded Hermetic	Welded Hermetic	
Size (Hex x Height)	7/8 in x 2.12 in	22.2 mm x 53.8 mm	
Weight	2.95 oz	83.6 gm	[1]
Electrical Connector	2-Pin MIL-C-5015	2-Pin MIL-C-5015	
Electrical Connection Position	Top	Top	
Mounting Thread	1/4-28 UNF	No Metric Equivalent	
Mounting Torque	2 to 5 ft-lb	2.7 to 6.8 N-m	



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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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.

M - Metric Mount

Supplied Accessory : Model M081A61 Mounting Stud 1/4-28 to M6 X 1 replaces Model 081A40

NOTES:

- [1] Typical value.
[2] Conversion Factor 1g = 9.81 m/s².
[3] 1Hz = 60 cpm (cycles per minute).
[4] Zero-based, least-squares, straight line method.

SUPPLIED ACCESSORIES:

Model 081A40 Mounting Stud
Model ICS-1 NIST-traceable single-axis amplitude response calibration from 600 cpm (10 Hz) to upper 5% frequency

Entered: <i>JR</i>	Engineer: <i>JR</i>	Sales: <i>JR</i>	Approved: <i>UF</i>	Spec Number:
Date: 5-17-06	Date: 6/1/06	Date: 7/20/06	Date: 7/6/06	13075

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