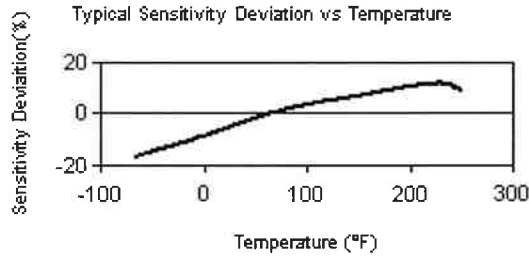


| | ENGLISH | SI | |
|--------------------------------------|----------------------|---------------------------------|-----|
| Performance | | | |
| Sensitivity(± 20 %) | 10 mV/g | 1.02 mV/(m/s ²) | [2] |
| Measurement Range | ± 500 g | ± 4905 m/s ² | |
| Frequency Range(± 3 dB) | 30 to 600,000 cpm | 0.5 to 10,000 Hz | [3] |
| Resonant Frequency | 1500 kcprm | 25 kHz | [1] |
| Broadband Resolution(1 to 10,000 Hz) | 2000 µg | 19,620 µm/sec ² | [1] |
| Non-Linearity | ± 1 % | ± 1 % | [4] |
| Transverse Sensitivity | ≤ 7 % | ≤ 7 % | |
| 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) | ≤ 3.0 sec | ≤ 3.0 sec | |
| Discharge Time Constant | ≥ 0.4 sec | ≥ 0.4 sec | |
| Excitation Voltage | 18 to 28 VDC | 18 to 28 VDC | |
| Constant Current Excitation | 2 to 20 mA | 2 to 20 mA | |
| Output Impedance | <150 ohm | <150 ohm | |
| Output Bias Voltage | 8 to 12 VDC | 8 to 12 VDC | |
| Spectral Noise(10 Hz) | 85 µg/√Hz | 834 (µm/sec ²)/√Hz | [1] |
| (100 Hz) | 20 µg/√Hz | 196 (µm/sec ²)/√Hz | [1] |
| (1 kHz) | 5 µg/√Hz | 49.1 (µm/sec ²)/√Hz | [1] |
| Electrical Isolation(Case) | >10 ⁸ ohm | >10 ⁸ ohm | |
| Physical | | | |
| Size (Hex x Height) | 11/16 in x 1.65 in | 18 mm x 42.2 mm | |
| Weight | 1.8 oz | 51 gm | |
| Mounting Thread | 1/4-28 Female | Not Applicable | [5] |
| Mounting Torque | 2 to 5 ft-lb | 2.7 to 6.8 N-m | |
| 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 | |



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.

EX - Hazardous Area Approval- contact factory for specific approvals

Hazardous Area Approval EEx ia IIC T4, -40°C≤Ta≤121° EEx ia IIC T4, -40°C≤Ta≤121°

C, II 1 G C, II 1 G

CI I, Div I, Groups A, B, C, D; CI II, Div I, Groups E, F, G; CI III, Div I

CI I, Div I, Groups A, B, C, D; CI II, Div I, Groups E, F, G; CI III, Div I

Exia IIC T4, AExia IIC, T4 Exia IIC T4, AExia IIC, T4

CI I, Div 2, Groups A, B, C, D; CI I, Div 2, Groups A, B, C, D;

ExnL IIC T4, AExnA IIC T4 ExnL IIC T4, AExnA IIC T4

EEx nL IIC T4, -40°C≤Ta≤121° EEx nL IIC T4, -40°C≤Ta≤121°

C, II 3 G C, II 3 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] Zero-based, least-squares, straight line method.
 [5] 1/4-28 has no equivalent in S.I. units.
 [6] See PCB Declaration of Conformance PS023 or PS060 for details.

SUPPLIED ACCESSORIES:
 Model 081A40 Mounting Stud (1)

| | | | | |
|----------------------|----------------------|-----------------------|----------------------|--------------|
| Entered: <i>LA</i> | Engineer: <i>Dec</i> | Sales: <i>JA</i> | Approved: <i>EB</i> | Spec Number: |
| Date: <i>5-27-09</i> | Date: <i>5-18-09</i> | Date: <i>11-10-08</i> | Date: <i>5-18-09</i> | 20788 |

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