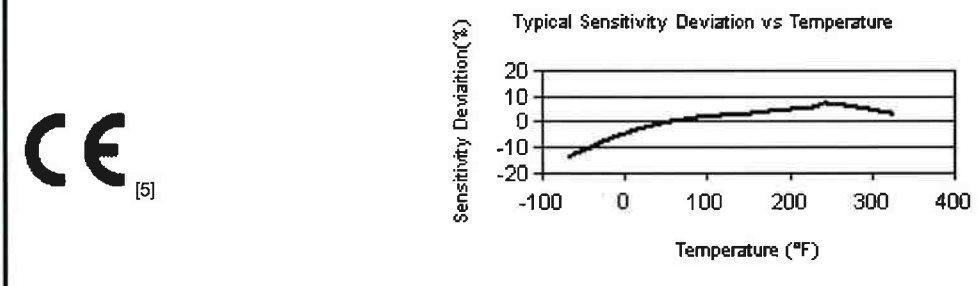


| | ENGLISH | SI | |
|--------------------------------------|----------------------|-------------------------------|-----|
| Performance | | | |
| Sensitivity(± 10 %) | 10 mV/g | 1.02 mV/(m/s ²) | |
| Measurement Range | ± 500 g pk | ± 4905 m/s ² pk | |
| Frequency Range(± 5 %) | 0.5 to 2000 Hz | 0.5 to 2000 Hz | |
| Frequency Range(± 10 %) | 0.3 to 4000 Hz | 0.3 to 4000 Hz | |
| Frequency Range(± 3 dB) | 0.2 to 6000 Hz | 0.2 to 6000 Hz | |
| Resonant Frequency | ≥ 12 kHz | ≥ 12 kHz | |
| Broadband Resolution(1 to 10,000 Hz) | 0.0005 g rms | 0.005 m/s ² rms | [1] |
| Non-Linearity | ≤ 1 % | ≤ 1 % | [4] |
| 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 | [3] |
| Temperature Response | See Graph | See Graph | |
| Base Strain Sensitivity | 0.0005 g/μe | 0.005 (m/s ²)/μe | [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 | ≤ 100 ohm | ≤ 100 ohm | |
| Output Bias Voltage | 8 to 12 VDC | 8 to 12 VDC | |
| Discharge Time Constant | 0.8 to 2.0 sec | 0.8 to 2.0 sec | |
| Settling Time(within 10% of bias) | <10 sec | <10 sec | |
| Spectral Noise(1 Hz) | 150 μg/√Hz | 1472 (μm/s ²)/√Hz | [1] |
| Spectral Noise(10 Hz) | 23 μg/√Hz | 226 (μm/s ²)/√Hz | [1] |
| Spectral Noise(100 Hz) | 10 μg/√Hz | 98 (μm/s ²)/√Hz | [1] |
| Spectral Noise(1 kHz) | 5 μg/√Hz | 49 (μm/s ²)/√Hz | [1] |
| Electrical Isolation | >10 ⁸ ohm | >10 ⁸ ohm | |
| Physical | | | |
| Sensing Element | Ceramic | Ceramic | |
| Sensing Geometry | Shear | Shear | |
| Housing Material | Titanium | Titanium | |
| Sealing | Welded Hermetic | Welded Hermetic | |
| Size (Hex x Height) | 0.815 in x 0.45 in | 20.7 mm x 11.4 mm | |
| Weight | 0.55 oz | 15.5 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. | | |
| A - Adhesive Mount | | |
| Supplied Accessory : Model 080A90 Quick Bonding Gel (1) | | |
| HT - High temperature, extends normal operation temperatures | | |
| Frequency Range(± 5 %) | 2 to 2000 Hz | 2 to 2000 |
| Frequency Range(± 10 %) | 1 to 4000 Hz | 1 to 4000 |
| Frequency Range(± 3 dB) | 0.5 to 6000 Hz | 0.5 to 6000 |
| Broadband Resolution(1 to 10,000 Hz) | 0.0010 g rms | 0.010 μm/s ² rms |
| Temperature Range(Operating) | -65 to +325 °F | -54 to +163 °C |
| Excitation Voltage | 22 to 30 VDC | 22 to 30 VDC |
| Output Bias Voltage | 10 to 14.5 VDC | 10 to 14.5 VDC |
| Discharge Time Constant | 0.4 to 1.0 sec | 0.4 to 1.0 sec |
| Spectral Noise(1 Hz) | 300 μg/√Hz | 2940 (μm/s ²)/√Hz |
| Spectral Noise(10 Hz) | 120 μg/√Hz | 1176 (μm/s ²)/√Hz |
| Spectral Noise(100 Hz) | 60 μg/√Hz | 588 (μm/s ²)/√Hz |
| Spectral Noise(1 kHz) | 10 μg/√Hz | 98 (μm/s ²)/√Hz |
| M - Metric Mount | | |
| Supplied Accessory : Model M039A23 Allen wrench, 4mm hex (1) replaces Model 039A23 | | |
| Supplied Accessory : Model M081B60 Off ground screw assembly (1) replaces Model 081B60 | | |
| T - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4 | | |
| TLA - TEDS LMS International - Free Format | | |
| TLB - TEDS LMS International - Automotive Format | | |
| TLC - TEDS LMS International - Aeronautical Format | | |
| TLD - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4 | | |
| Excitation Voltage | 22 to 30 VDC | 22 to 30 VDC |
| Output Bias Voltage | 8.5 to 14.5 VDC | 8.5 to 14.5 VDC |
| W - Water Resistant Cable | | |
| Electrical Connector | Sealed Integral Cable | Sealed Integral Cable |



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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NOTES:
 [1] Typical.
 [2] TEDS option adds 1.0 VDC to bias voltage.
 [3] 250° F to 325° F data valid with HT option only.
 [4] Zero-based, least-squares, straight line method.
 [5] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:
 Model 039A23 Allen wrench, 5/32" hex (1)
 Model 080A109 Petro Wax (1)
 Model 081B60 off ground screw assembly (1)
 Model ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)

| | | | | |
|--------------|--------------|--------------|--------------|--------------|
| Entered: BLS | Engineer: JF | Sales: WDC | Approved: BM | Spec Number: |
| Date: 7/8/08 | Date: 7/1/08 | Date: 7/1/08 | Date: 7/2/08 | 11065 |

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