
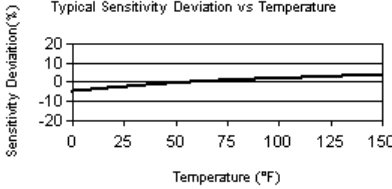



Model Number 333B30	ACCELEROMETER, ICP®		Revision K ECN #: 25552								
Performance Sensitivity (±10 %) 100 mV/g Measurement Range ±50 g pk Frequency Range (±5 %) 0.5 to 3000 Hz Resonant Frequency ≥40 kHz Phase Response (±5 °) (at 70°F [21°C]) 2 to 3000 Hz Broadband Resolution (1 to 10000 Hz) 0.00015 g rms Non-Linearity ≤1 % Transverse Sensitivity ≤5 %	ENGLISH 100 mV/g ±50 g pk 0.5 to 3000 Hz ≥40 kHz 2 to 3000 Hz 0.00015 g rms ≤1 % ≤5 %	SI 10.2 mV/(m/s ²) ±490 m/s ² pk 0.5 to 3000 Hz ≥40 kHz 2 to 3000 Hz 0.0015 m/s ² rms ≤1 % ≤5 %	Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) 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 Output Bias Voltage 7.5 to 13 VDC 7.5 to 13 VDC TLD - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4								
Environmental Overload Limit (Shock) ±5000 g pk Temperature Range (Operating) 0 to +150 °F Base Strain Sensitivity 0.01 g/µε	±5000 g pk 0 to +150 °F 0.01 g/µε	±49000 m/s ² pk -18 to +66 °C 0.1 (m/s ²)/µε	Notes [1] Typical. [2] Zero-based, least-squares, straight line method. [3] Transverse sensitivity is typically ≤ 3%. [4] See PCB Declaration of Conformance PS023 for details.								
Electrical Excitation Voltage 18 to 30 VDC Constant Current Excitation 2 to 20 mA Output Impedance ≤300 Ohm Output Bias Voltage 7 to 12 VDC Discharge Time Constant 1.0 to 3.0 sec Settling Time (within 10% of bias) <12 sec Spectral Noise (1 Hz) 39 µg/√Hz Spectral Noise (10 Hz) 11 µg/√Hz Spectral Noise (100 Hz) 3.4 µg/√Hz Spectral Noise (1 kHz) 1.4 µg/√Hz	18 to 30 VDC 2 to 20 mA ≤300 Ohm 7 to 12 VDC 1.0 to 3.0 sec <12 sec 39 µg/√Hz 11 µg/√Hz 3.4 µg/√Hz 1.4 µg/√Hz	18 to 30 VDC 2 to 20 mA ≤300 Ohm 7 to 12 VDC 1.0 to 3.0 sec <12 sec 380 (µm/sec ² /√Hz 110 (µm/sec ² /√Hz 33 (µm/sec ² /√Hz 14 (µm/sec ² /√Hz	Supplied Accessories 080A109 Petro Wax (1) 080A25 Adhesive base, 0.438" hex, 5-40 tapped hole, aluminum hardcoat. (1) 080A90 Quick Bonding Gel (1) 081A27 Mounting Stud (5-40 to 5-40) (1) ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1) M081A27 Metric mounting stud, 5-40 to M3 x 0.50 long (1)								
Physical Size (Height) 0.40 in Weight 0.14 oz Sensing Element Ceramic Sensing Geometry Shear Housing Material Titanium Sealing Hermetic Size (Length x Width) 0.63 in x 0.40 in Electrical Connector 10-32 Coaxial Jack Electrical Connection Position Side Mounting Thread 5-40 Female Mounting Torque 4 to 5 in-lb	0.40 in 0.14 oz Ceramic Shear Titanium Hermetic 0.63 in x 0.40 in 10-32 Coaxial Jack Side 5-40 Female 4 to 5 in-lb	10.2 mm 4.0 gm Ceramic Shear Titanium Hermetic 16.0 mm x 10.2 mm 10-32 Coaxial Jack Side 5-40 Female 45 to 56 N-cm	<table border="1"> <tr> <td>Entered: BAM</td> <td>Engineer: WDC</td> <td>Sales: EJV</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 12/21/2006</td> <td>Date: 12/21/2006</td> <td>Date: 12/21/2006</td> <td>11827</td> </tr> </table>	Entered: BAM	Engineer: WDC	Sales: EJV	Spec Number:	Date: 12/21/2006	Date: 12/21/2006	Date: 12/21/2006	11827
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	<p style="text-align: center;">Typical Sensitivity Deviation vs Temperature</p> 		 <p>3425 Walden Avenue Depew, NY 14043 UNITED STATES Phone: 800-828-8840 Fax: 716-684-0987 E-mail: info@pcb.com Web site: www.pcb.com</p>								

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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