
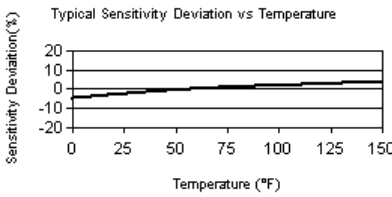



Model Number 333B30	<b>ACCELEROMETER, ICP®</b>		Revision K ECN #: 25552								
<b>Performance</b> Sensitivity (±10 %) Measurement Range Frequency Range (±5 %) Resonant Frequency Phase Response (±5 °) (at 70&#176F [21&#176C]) Broadband Resolution (1 to 10000 Hz) Non-Linearity Transverse Sensitivity	<b>ENGLISH</b> 100 mV/g ±50 g pk 0.5 to 3000 Hz ≥40 kHz 2 to 3000 Hz 0.00015 g rms ≤1 % ≤5 %	<b>SI</b> 10.2 mV/(m/s²) ±490 m/s² pk 0.5 to 3000 Hz ≥40 kHz 2 to 3000 Hz 0.0015 m/s² rms ≤1 % ≤5 %	<b>Optional Versions</b> (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) <b>T</b> - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4 <b>TLA</b> - TEDS LMS International - Free Format <b>TLB</b> - TEDS LMS International - Automotive Format <b>TLC</b> - TEDS LMS International - Aeronautical Format Output Bias Voltage 7.5 to 13 VDC 7.5 to 13 VDC <b>TLD</b> - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4								
<b>Environmental</b> Overload Limit (Shock) Temperature Range (Operating) Temperature Response Base Strain Sensitivity	±5000 g pk 0 to +150 °F See Graph 0.01 g/µε	±49000 m/s² pk -18 to +66 °C See Graph 0.1 (m/s²)/µε	<b>Notes</b> [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.								
<b>Electrical</b> Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Discharge Time Constant Settling Time (within 10% of bias) Spectral Noise (1 Hz) Spectral Noise (10 Hz) Spectral Noise (100 Hz) Spectral Noise (1 kHz)	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/sec²)/√Hz 110 (µm/sec²)/√Hz 33 (µm/sec²)/√Hz 14 (µm/sec²)/√Hz	<b>Supplied Accessories</b> 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)								
<b>Physical</b> Sensing Element Sensing Geometry Housing Material Sealing Size (Height x Length x Width) Weight Electrical Connector Electrical Connection Position Mounting Thread Mounting Torque	Ceramic Shear Titanium Hermetic 0.40 in x 0.63 in x 0.40 in 0.14 oz 10-32 Coaxial Jack Side 5-40 Female 4 to 5 in-lb	Ceramic Shear Titanium Hermetic 10.2 mm x 16.0 mm x 10.2 mm 4.0 gm 10-32 Coaxial Jack Side 5-40 Female 45 to 56 N-cm									
	<p style="text-align: center;">Typical Sensitivity Deviation vs Temperature</p> 		<table border="1" data-bbox="1129 1123 2011 1224"> <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> <p data-bbox="1138 1247 1522 1318">  </p> <p data-bbox="1570 1252 1829 1419"> 3425 Walden Avenue  Depew, NY 14043  UNITED STATES  Phone: 888-684-0013  Fax: 716-685-3886  E-mail: vibration@pcb.com  Web site: www.pcb.com </p>	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><i>All specifications are at room temperature unless otherwise specified.</i>  In the interest of constant product improvement, we reserve the right to change specifications without notice.</p>											

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