
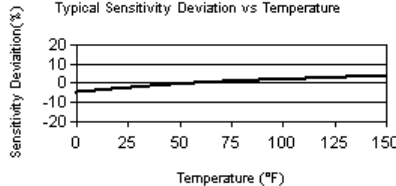



Model Number 333B32	ACCELEROMETER, ICP®		Revision F ECN #: 17403										
<b>Performance</b>	<b>ENGLISH</b>	<b>SI</b>	<b>Optional Versions</b> (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) <b>T</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>Notes</b> [1] Typical. [2] Zero-based, least-squares, straight line method. [3] See PCB Declaration of Conformance PS023 for details.  <b>Supplied Accessories</b> 080A109 Petro Wax (1) 080A90 Quick Bonding Gel (1) ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)										
Sensitivity (±10 %)	100 mV/g	10.2 mV/(m/s²)											
Measurement Range	±50 g pk	±490 m/s² pk											
Frequency Range (±5 %)	0.5 to 3000 Hz	0.5 to 3000 Hz											
Resonant Frequency	≥40 kHz	≥40 kHz											
Phase Response (±5 °) (at 70° F [21° C])	2 to 3000 Hz	2 to 3000 Hz											
Broadband Resolution (1 to 10000 Hz)	0.00015 g rms	0.0015 m/s² rms											
Non-Linearity	≤1 %	≤1 %											
Transverse Sensitivity	≤5 %	≤5 %											
<b>Environmental</b>													
Overload Limit (Shock)	±5000 g pk	±49000 m/s² pk											
Temperature Range (Operating)	0 to +150 °F	-18 to +66 °C											
Temperature Response	See Graph	See Graph											
Base Strain Sensitivity	0.01 g/με	0.1 (m/s²)/με											
<b>Electrical</b>													
Excitation Voltage	18 to 30 VDC	18 to 30 VDC											
Constant Current Excitation	2 to 20 mA	2 to 20 mA											
Output Impedance	≤300 ohm	≤300 ohm											
Output Bias Voltage	7 to 12 VDC	7 to 12 VDC											
Discharge Time Constant	1.0 to 3.0 sec	1.0 to 3.0 sec											
Spectral Noise (10 Hz)	11 μg/√Hz	110 (μm/s²)/√Hz											
Spectral Noise (100 Hz)	3.4 μg/√Hz	33 (μm/s²)/√Hz											
Spectral Noise (1 kHz)	1.4 μg/√Hz	14 (μm/s²)/√Hz											
<b>Physical</b>													
Sensing Element	Ceramic	Ceramic											
Sensing Geometry	Shear	Shear											
Housing Material	Titanium	Titanium											
Sealing	Hermetic	(Hermetic)											
Size (Length x Width)	0.63 in x 0.40 in	16.0 mm x 10.2 mm											
Weight	0.14 oz	4.0 gm											
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack											
Electrical Connection Position	Side	Side											
Mounting	Adhesive	Adhesive											
<div><div></div><div><p>Typical Sensitivity Deviation vs Temperature</p></div></div>													
<p><i>All specifications are at room temperature unless otherwise specified.</i></p> <p>In the interest of constant product improvement, we reserve the right to change specifications without notice.</p> <p>ICP® is a registered trademark of PCB group, Inc.</p>													
			Address: 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										
		<table><tr><td>Entered: APC</td><td>Engineer: APC</td><td>Sales: WDC</td><td>Approved: BAM</td><td>Spec Number:</td></tr><tr><td>Date: 04/23/2003</td><td>Date: 04/23/2003</td><td>Date: 04/23/2003</td><td>Date: 04/23/2003</td><td><b>11829</b></td></tr></table>	Entered: APC	Engineer: APC	Sales: WDC	Approved: BAM	Spec Number:	Date: 04/23/2003	Date: 04/23/2003	Date: 04/23/2003	Date: 04/23/2003	<b>11829</b>	
Entered: APC	Engineer: APC	Sales: WDC	Approved: BAM	Spec Number:									
Date: 04/23/2003	Date: 04/23/2003	Date: 04/23/2003	Date: 04/23/2003	<b>11829</b>									