

Model Number 333B32	ACCELEROMETER, ICP®			Revision G ECN #: 31217										
Performance	ENGLISH	SI	Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)											
Sensitivity (±10 %)	100 mV/g	10.2 mV/(m/s²)	T - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4											
Measurement Range	±50 g pk	±490 m/s² pk	TLA - TEDS LMS International - Free Format											
Frequency Range (±5 %)	0.5 to 3000 Hz	0.5 to 3000 Hz	TLB - TEDS LMS International - Automotive Format											
Resonant Frequency	≥40 kHz	≥40 kHz	TLC - TEDS LMS International - Aeronautical Format											
Phase Response (±5 °) (at 70°F [21°C])	2 to 3000 Hz	2 to 3000 Hz	TLD - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4											
Broadband Resolution (1 to 10000 Hz)	0.00015 g rms	0.0015 m/s² rms	Excitation Voltage 19 to 30 VDC 19 to 30 VDC											
Non-Linearity	≤1 %	≤1 %	Output Bias Voltage 7.5 to 13 VDC 7.5 to 13 VDC											
Transverse Sensitivity	≤5 %	≤5 %	Notes											
Environmental			[1] Typical.											
Overload Limit (Shock)	±5000 g pk	±49000 m/s² pk	[2] Zero-based, least-squares, straight line method.											
Temperature Range (Operating)	0 to +150 °F	-18 to +66 °C	[3] See PCB Declaration of Conformance PS023 for details.											
Temperature Response	See Graph	See Graph	Supplied Accessories											
Base Strain Sensitivity	0.01 g/με	0.1 (m/s²)/με	080A109 Petro Wax (1)											
Electrical			080A90 Quick Bonding Gel (1)											
Excitation Voltage	18 to 30 VDC	18 to 30 VDC	ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)											
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/sec²)/√Hz												
Spectral Noise (100 Hz)	3.4 μg/√Hz	33 (μm/sec²)/√Hz												
Spectral Noise (1 kHz)	1.4 μg/√Hz	14 (μm/sec²)/√Hz												
Physical														
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												
Typical Sensitivity Deviation vs Temperature Sensitivity Deviation(%) Temperature (°F)														
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. ICP® is a registered trademark of PCB group, Inc.														
		<table><tr><td>Entered: LLH</td><td>Engineer: MJN</td><td>Sales: WDC</td><td>Approved: EB</td><td>Spec Number:</td></tr><tr><td>Date: 08/18/2009</td><td>Date: 08/13/2009</td><td>Date: 08/13/2009</td><td>Date: 08/14/2009</td><td>11829</td></tr></table>			Entered: LLH	Engineer: MJN	Sales: WDC	Approved: EB	Spec Number:	Date: 08/18/2009	Date: 08/13/2009	Date: 08/13/2009	Date: 08/14/2009	11829
Entered: LLH	Engineer: MJN	Sales: WDC	Approved: EB	Spec Number:										
Date: 08/18/2009	Date: 08/13/2009	Date: 08/13/2009	Date: 08/14/2009	11829										
		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												