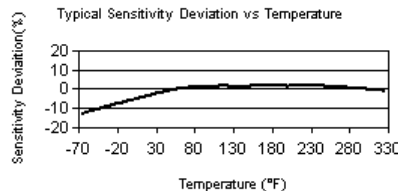


Model Number 352C33	ACCELEROMETER, ICP®		Revision H ECN #: 28610
Performance	ENGLISH	SI	Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)
Sensitivity (±10 %)	100 mV/g	10.2 mV/(m/s ²)	HT - High temperature, extends normal operation temperatures [3]
Measurement Range	±50 g pk	±490 m/s ² pk	Frequency Range (5 %)
Frequency Range (±5 %)	0.5 to 10000 Hz	0.5 to 10000 Hz	6 to 10000 Hz
Frequency Range (±10 %)	0.3 to 15000 Hz	0.3 to 15000 Hz	6 to 10000 Hz
Resonant Frequency	≥50 kHz	≥50 kHz	Frequency Range (10 %)
Broadband Resolution (1 to 10000 Hz)	0.00015 g rms	0.0015 m/s ² rms	4.5 to 15000 Hz
Non-Linearity	≤1 %	≤1 %	Broadband Resolution (1 to 10000 Hz)
Transverse Sensitivity	≤5 %	≤5 %	0.0009 g rms
Environmental			0.009 m/s ² rms
Overload Limit (Shock)	±5000 g pk	±49000 m/s ² pk	Temperature Range (Operating)
Temperature Range (Operating)	-65 to +200 °F	-54 to +93 °C	-65 to +325 °F
Base Strain Sensitivity	0.003 g/με	0.029 (m/s ²)/με	-54 to +163 °C
Electrical			Excitation Voltage
Excitation Voltage	18 to 30 VDC	18 to 30 VDC	22 to 30 VDC
Constant Current Excitation	2 to 20 mA	2 to 20 mA	Discharge Time Constant
Output Impedance	≤200 Ohm	≤200 Ohm	0.07 to 0.15 sec
Output Bias Voltage	7 to 12 VDC	7 to 12 VDC	Spectral Noise (1 Hz)
Discharge Time Constant	1.0 to 2.5 sec	1.0 to 2.5 sec	107 μg/√Hz
Settling Time (within 10% of bias)	<10 sec	<10 sec	1050 (μm/sec ² /√Hz
Spectral Noise (1 Hz)	39 μg/√Hz	380 (μm/sec ² /√Hz	Spectral Noise (10 Hz)
Spectral Noise (10 Hz)	11 μg/√Hz	110 (μm/sec ² /√Hz	58 μg/√Hz
Spectral Noise (100 Hz)	3.4 μg/√Hz	33 (μm/sec ² /√Hz	Spectral Noise (100 Hz)
Spectral Noise (1 kHz)	1.4 μg/√Hz	14 (μm/sec ² /√Hz	41 μg/√Hz
Physical			Spectral Noise (1000 Hz)
Size (Height)	0.62 in	15.7 mm	9.8 μg/√Hz
Weight	0.20 oz	5.8 gm	Output Bias Voltage
Sensing Element	Ceramic	Ceramic	10 to 15 VDC
Size (Hex)	0.44 in	11.2 mm	Supplied Accessory: Model ACS-68 Single Axis Amplitude Response Calibration from 5 Hz to upper 5% plotted on dB scale replaces Model ACS-1
Sensing Geometry	Shear	Shear	J - Ground Isolated
Housing Material	Titanium	Titanium	Frequency Range (5 %)
Sealing	Hermetic	Hermetic	9 kHz
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	Frequency Range (10 %)
Electrical Connection Position	Side	Side	14 kHz
Mounting Thread	10-32 Female	10-32 Female	Resonant Frequency
Mounting Torque	10 to 20 in-lb	113 to 226 N-cm	≥40 kHz
			Electrical Isolation (Base)
			>10 ⁸ Ohm
			Size (Hex x Height)
			0.44 in x 0.67 in
			11.2 mm x 17.0 mm
			Weight
			0.21 oz
			6.0 gm
			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
			Temperature Range
			-10 to +200 °F
			-23 to +93 °C
			Excitation Voltage
			20 to 30 VDC
			20 to 30 VDC
			Output Bias Voltage
			7.5 to 13 VDC
			7.5 to 13 VDC
			W - Water Resistant Cable
			Electrical Connector
			Sealed Integral Cable
			Sealed Integral Cable
			Side
			Side
			Side
			Notes
			[1] Typical.
			[2] TEDS option adds 1.0 VDC to bias voltage.
			[3] 200°F to 325°F data valid with HT option only.
			[4] Zero-based, least-squares, straight line method.
			[5] Transverse sensitivity is typically ≤= 3%.
			[6] See PCB Declaration of Conformance PS023 for details.
			Supplied Accessories
			080A Adhesive Mounting Base (1)
			080A109 Petro Wax (1)



[6]

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.

081B05 Mounting Stud (10-32 to 10-32) (1)

ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)

M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)

Entered: BLB	Engineer: BAM	Sales: WDC	Approved: BLB	Spec Number:
Date: 04/15/2008	Date: 04/15/2008	Date: 04/15/2008	Date: 04/15/2008	13118



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