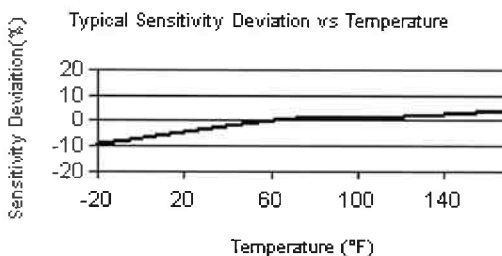


Model Number 356M98	TRIAXIAL ICP® ACCELEROMETER			Revision: E ECN #: 26468
Performance	ENGLISH	SI	OPTIONAL VERSIONS	
Sensitivity(± 10 %)	1000 mV/g	102 mV/(m/s²)	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.	
Measurement Range	± 5 g pk	± 49 m/s² pk	T - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4	
Frequency Range(± 5 %)	0.5 to 3000 Hz	0.5 to 3000 Hz	TLA - TEDS LMS International - Free Format	
Frequency Range(± 10 %)	0.3 to 5000 Hz	0.3 to 5000 Hz	TLB - TEDS LMS International - Automotive Format	
Resonant Frequency	≥ 20 kHz	≥ 20 kHz	TLC - TEDS LMS International - Aeronautical Format	
Phase Response(± 5 °)(at 70°F [21°C])	2 to 2000 Hz	2 to 2000 Hz	TLD - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4	
Broadband Resolution(1 to 10,000 Hz)	0.00005 g rms	0.0005 m/s² rms	Output Bias Voltage	8.5 to 13 VDC 8.5 to 13 VDC
Non-Linearity	≤ 1 %	≤ 1 %	NOTES: [1] Typical. [2] Zero-based, least-squares, straight line method. [3] See PCB Declaration of Conformance PS023 for details.	
Transverse Sensitivity	≤ 5 %	≤ 5 %		
Environmental			Physical	
Overload Limit(Shock)	± 5000 g pk	± 5000 g pk		
Temperature Range(Operating)	-20 to +170 °F	-29 to +77 °C	Supplied Accessories: Model 080A109 Petro Wax (1) Model 080A68 Adhesive mounting base (for Models 356B07 and 356B08) (1) Model 081B05 Mounting Stud (10-32 to 10-32) (1) Model ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)	
Temperature Response	See Graph	See Graph		
Base Strain Sensitivity	0.0007 g/με	0.007 (m/s²)/με	ENTERED: Entered: BLS Engineer: JHS Sales: RDR Approved: JMT Date: 5/15/07 Date: 5/15/07 Date: 5/15/07 Date: 5/15/07 Spec Number: 17082	
Electrical				
Excitation Voltage	20 to 30 VDC	20 to 30 VDC	CE [3]	
Constant Current Excitation	2 to 20 mA	2 to 20 mA		
Output Impedance	≤ 600 ohm	≤ 600 ohm		
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC		
Discharge Time Constant	0.8 to 3.0 sec	0.8 to 3.0 sec	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.	
Settling Time(within 10% of bias)	<12 sec	<12 sec		
Spectral Noise(1 Hz)	11.4 μg/√Hz	112 (μm/s²)/√Hz	ICP® is a registered trademark of PCB Group, Inc.	
Spectral Noise(10 Hz)	4.0 μg/√Hz	39 (μm/s²)/√Hz		
Spectral Noise(100 Hz)	1.2 μg/√Hz	12 (μm/s²)/√Hz	PCB PIEZOTRONICS™ VIBRATION DIVISION 3425 Walden Avenue, Depew, NY 14043	
Spectral Noise(1 kHz)	0.4 μg/√Hz	4.4 (μm/s²)/√Hz		
Physical			Phone: 716-684-0001 Fax: 716-685-3886 E-Mail: vibration@pcb.com	
Sensing Element	Ceramic	Ceramic		
Sensing Geometry	Shear	Shear		
Housing Material	Titanium	Titanium		
Sealing	Hermetic	Hermetic		
Size (Height x Length x Width)	0.80 in x 1.03 in x 0.80 in	20.3 mm x 26.1 mm x 20.3 mm		
Weight	1.34 oz	39 gm		
Electrical Connector	1/4-28 4-Pin	1/4-28 4-Pin		
Electrical Connection Position	Side	Side		
Mounting Thread	10-32 Female	10-32 Female		