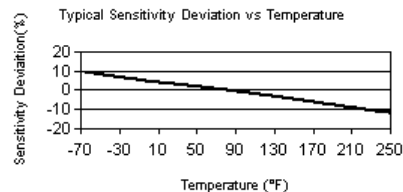


Model Number 352A73	ICP® ACCELEROMETER		Revision B ECN #: 21370
Performance	ENGLISH	SI	Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)
Sensitivity (±20 %)	5 mV/g	0.51 mV/(m/s²)	Notes [1] Typical. [2] Zero-based, least-squares, straight line method. [3] Cable is made up of 1 ft. of 089 cable (32 AWG twisted pair) spliced to 9 ft. of 018 cable (coaxial). [4] See PCB Declaration of Conformance PS023 for details.
Measurement Range	±1000 g pk	±9810 m/s² pk	
Frequency Range (±5 %)	2.0 to 10000 Hz	2.0 to 10000 Hz	
Frequency Range (±10 %)	1.5 to 25000 Hz	1.5 to 25000 Hz	
Frequency Range (±3 dB)	0.7 to 40000 Hz	0.7 to 40000 Hz	
Resonant Frequency	≥70 kHz	≥70 kHz	Supplied Accessories 039A26 Removal Tool (1) 080A109 Petro Wax (1) ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)
Broadband Resolution (1 to 10000 Hz)	0.002 g rms	0.02 m/s² rms	
Non-Linearity	≤1 %	≤1 %	
Transverse Sensitivity	≤5 %	≤5 %	
Environmental			
Overload Limit (Shock)	±10000 g pk	±98000 m/s² pk	Notes [1] Typical. [2] Zero-based, least-squares, straight line method. [3] Cable is made up of 1 ft. of 089 cable (32 AWG twisted pair) spliced to 9 ft. of 018 cable (coaxial). [4] See PCB Declaration of Conformance PS023 for details.
Temperature Range (Operating)	-65 to +250 °F	-54 to +121 °C	
Electrical			
Excitation Voltage	18 to 30 VDC	18 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤200 Ohm	≤200 Ohm	Supplied Accessories 039A26 Removal Tool (1) 080A109 Petro Wax (1) ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)
Output Bias Voltage	7 to 11 VDC	7 to 11 VDC	
Discharge Time Constant	0.2 to 1.0 sec	0.2 to 1.0 sec	
Settling Time (within 10% of bias)	<3 sec	<3 sec	
Spectral Noise (1 Hz)	875 µg/√Hz	8580 (µm/sec²)/√Hz	
Spectral Noise (10 Hz)	150 µg/√Hz	1470 (µm/sec²)/√Hz	Notes [1] Typical. [2] Zero-based, least-squares, straight line method. [3] Cable is made up of 1 ft. of 089 cable (32 AWG twisted pair) spliced to 9 ft. of 018 cable (coaxial). [4] See PCB Declaration of Conformance PS023 for details.
Spectral Noise (100 Hz)	45 µg/√Hz	440 (µm/sec²)/√Hz	
Spectral Noise (1 kHz)	20 µg/√Hz	196 (µm/sec²)/√Hz	
Spectral Noise (10 kHz)	10 µg/√Hz	98 (µm/sec²)/√Hz	
Physical			
Size (Height)	.11 in	2.8 mm	Notes [1] Typical. [2] Zero-based, least-squares, straight line method. [3] Cable is made up of 1 ft. of 089 cable (32 AWG twisted pair) spliced to 9 ft. of 018 cable (coaxial). [4] See PCB Declaration of Conformance PS023 for details.
Weight (without cable)	0.01 oz	0.3 gm	
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	Notes [1] Typical. [2] Zero-based, least-squares, straight line method. [3] Cable is made up of 1 ft. of 089 cable (32 AWG twisted pair) spliced to 9 ft. of 018 cable (coaxial). [4] See PCB Declaration of Conformance PS023 for details.
Size (Length x Width)	0.34 in x 0.16 in	8.6 mm x 4.1 mm	
Electrical Connector	Solder pins with attached cable	Solder pins with attached cable	
Electrical Connection Position	Side	Side	
Cable Termination	10-32 Coaxial Plug	10-32 Coaxial Plug	
Cable Length	10 ft	3.05 m	Notes [1] Typical. [2] Zero-based, least-squares, straight line method. [3] Cable is made up of 1 ft. of 089 cable (32 AWG twisted pair) spliced to 9 ft. of 018 cable (coaxial). [4] See PCB Declaration of Conformance PS023 for details.
Mounting	Adhesive	Adhesive	



Entered: LLH	Engineer: WDC	Sales: JJB	Approved: LLH	Spec Number:
Date: 01/03/2005	Date: 01/03/2005	Date: 01/03/2005	Date: 01/03/2005	24788



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

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.