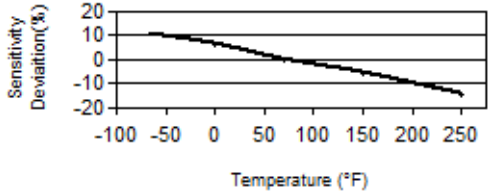
Model Number HV356A03	TRIAXIAL ICP® ACCELEROMETER	Revision: B ECN #: 57064

Performance	ENGLISH	SI	
Sensitivity(± 20 %)	10 mV/g	1.02 mV/(m/s²)	
Measurement Range	± 500 g pk	± 4,905 m/s² pk	
Frequency Range(± 5 %)(y or z axis)	2 to 6,800 Hz	2 to 6,800 Hz	
Frequency Range(± 5 %)(x axis)	2 to 4,200 Hz	2 to 4,200 Hz	
Frequency Range(+ 1 dB)(x axis)	≥ 6,800 Hz	≥ 6,800 Hz	
Resonant Frequency	≥ 45 kHz	≥ 45 kHz	
Broadband Resolution(1 to 10,000 Hz)	0.003 g rms	0.03 m/s² rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 6 %	≤ 6 %	
Environmental			
Overload Limit(Shock)	± 5,000 g pk	± 49,050 m/s² pk	
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C	
Temperature Response	See Graph	See Graph	[1]
Electrical			
Excitation Voltage	22 to 30 VDC	22 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤ 200 Ohm	≤ 200 Ohm	
Output Bias Voltage	9 to 16 VDC	9 to 16 VDC	
Discharge Time Constant	0.24 to 1.0 sec	0.24 to 1.0 sec	
Settling Time(within 10% of bias)	< 3 sec	< 3 sec	
Spectral Noise(1 Hz)	1,200 µg/√Hz	11,772 (µm/sec²)/√Hz	[1]
Spectral Noise(10 Hz)	300 µg/√Hz	2,943 (µm/sec²)/√Hz	[1]
Spectral Noise(100 Hz)	100 µg/√Hz	981 (µm/sec²)/√Hz	[1]
Spectral Noise(1 kHz)	30 µg/√Hz	294 (µm/sec²)/√Hz	[1]
Electrical Isolation	2,000 VDC	2,000 VDC	[3]
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Polymer	Polymer	
Sealing	Hermetic	Hermetic	
Size (Height x Length x Width)	0.34 in x 0.34 in x 0.34 in	8.64 mm x 8.64 mm x 8.64 mm	
Weight(without cable)	0.06 oz	1.7 gm	[1]
Electrical Connector	Integral Cable	Integral Cable	
Electrical Connection Position	Side	Side	
Cable Termination	1/4-28 4-Pin Jack	1/4-28 4-Pin Jack	
Cable Length	10 ft	3 m	
Cable Type	4-conductor shielded, polyolefin jacket	4-conductor shielded, polyolefin jacket	
Mounting	Adhesive	Adhesive	

Typical Sensitivity Deviation vs Temperature



CE

UKCA [4]

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 Piezotronics, Inc.

OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

NOTES:

[1]Typical.
[2]Zero-based, least-squares, straight line method.
[3]Maximum.
[4]See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:

Model 080A109 Petro Wax (1)
Model 080A90 Quick Bonding Gel (1)
Model ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)

Entered: ND	Engineer: MJN	Sales: KK	Approved: NJF	Spec Number:
Date: 10/13/2026	Date: 10/13/2026	Date: 10/13/2026	Date: 10/13/2026	30898

PCB PIEZOTRONICS
AN AMPHENOL COMPANY
Phone: 716-684-0001
Fax: 716-684-0987
E-Mail: info@pcb.com
3425 Walden Avenue, Depew, NY 14043