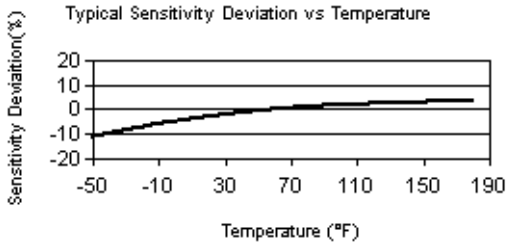
Model Number 393C12	SEISMIC ICP® ACCELEROMETER	Revision: NR ECN #: 56060

Performance	ENGLISH	SI	
Sensitivity(± 10 %)	10,000 mV/g	1019.4 mV/(m/s²)	
Measurement Range	0.5 g pk	4.9 m/s² pk	
Frequency Range(± 5 %)	0.15 to 1,000 Hz	0.15 to 1,000 Hz	
Frequency Range(± 10 %)	0.10 to 2,000 Hz	0.10 to 2,000 Hz	
Frequency Range(± 3 dB)	0.05 to 4,000 Hz	0.05 to 4,000 Hz	
Resonant Frequency	≥ 10,000 Hz	≥ 10,000 Hz	
Phase Response(± 5 °)	1 to 1,000 Hz	1 to 1,000 Hz	
Broadband Resolution(1 to 10,000 Hz)	0.000008 g rms	0.00008 m/s² rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 7.0 %	≤ 7.0 %	
Environmental			
Overload Limit(Shock)	± 5,000 g pk	± 49,050 m/s² pk	
Temperature Range	-50 to +180 °F	-45 to +82 °C	
Temperature Response	See Graph	See Graph	
Base Strain Sensitivity	≤ 0.0005 g/με	≤ 0.005 (m/s²)/με	[1]
Electrical			
Excitation Voltage	18 to 30 VDC	18 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	< 1,500 Ohm	< 1,500 Ohm	
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC	
Discharge Time Constant	≥ 3.5 sec	≥ 3.5 sec	
Settling Time(within 10% of bias)	< 60 sec	< 60 sec	
Spectral Noise(1 Hz)	1.5 μg/√Hz	14.7 (μm/sec²)/√Hz	[1]
Spectral Noise(10 Hz)	0.6 μg/√Hz	5.9 (μm/sec²)/√Hz	[1]
Spectral Noise(100 Hz)	0.2 μg/√Hz	2 (μm/sec²)/√Hz	[1]
Spectral Noise(1 kHz)	0.1 μg/√Hz	1.0 (μm/sec²)/√Hz	[1]
Electrical Isolation(Case)	≥ 10^8 Ohm	≥ 10^8 Ohm	
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Stainless Steel	Stainless Steel	
Sealing	Hermetic	Hermetic	
Size (Hex x Height)	1 3/16 in x 2.3 in	30.2 mm x 58.4 mm	
Weight	7.0 oz	199 gm	[1]
Electrical Connector	2-Pin MIL-C-5015	2-Pin MIL-C-5015	
Electrical Connection Position	Top	Top	
Mounting Thread	1/4-28 Female	1/4-28 Female	
Mounting Torque	2 to 5 ft-lb	2.7 to 6.8 Nm	



CE

UK CA [3]

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.
This model, designated with an RH prefix, is RoHS compliant. For further details, and to obtain PCB's RoHS Statement of Conformance, please visit http://www.pcb.com

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]See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:

Model 081B20 Mounting Stud, with shoulder (1/4-28 to 1/4-28) (1)
Model 085A31 Protective Thermal Jacket (1)
Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)
Model ACS-4 Single axis, low frequency phase and amplitude response cal from 0.5 to 10 Hz (1)
Model M081B20 Mounting Stud 1/4-28 to M6 X 0.75 (1)

Entered: ND	Engineer: NJF	Sales: KK	Approved: BAM	Spec Number:
Date: 10/09/2025	Date: 10/09/2025	Date: 10/09/2025	Date: 10/09/2025	30953

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