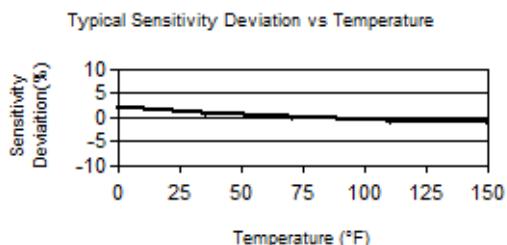


Model Number 350C24	ICP® SHOCK ACCELEROMETER				Revision: E ECN #: 56360																
Performance	ENGLISH	SI			OPTIONAL VERSIONS																
Sensitivity($\pm 30\%$)	1.0 mV/g	0.1 mV/(m/s ²)			Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.																
Measurement Range	$\pm 5,000$ g pk	$\pm 49,000$ m/s ² pk																			
Frequency Range(± 1 dB)	0.4 to 10,000 Hz	0.4 to 10,000 Hz																			
Frequency Range(- 3 dB)	0.2 to 25,000 Hz	0.2 to 25,000 Hz	[1]																		
Electrical Filter Corner Frequency(- 3 dB)	17 kHz	17 kHz	[2][3]																		
Mechanical Filter Resonant Frequency	35 kHz	35 kHz	[2][4]																		
Resonant Frequency	≥ 100 kHz	≥ 100 kHz																			
Broadband Resolution(1 to 10,000 Hz)	0.02 g rms	0.20 m/s ² rms	[2]																		
Non-Linearity(per 1000 g (9810 m/s ²))	$\leq 2.0\%$	$\leq 2.0\%$																			
Transverse Sensitivity	$\leq 7\%$	$\leq 7\%$																			
Environmental																					
Overload Limit(Shock)	$\pm 50,000$ g pk	$\pm 490,000$ m/s ² pk																			
Temperature Range(Operating)	-10 to +150 °F	-23 to +66 °C																			
Temperature Range(Storage)	-40 to +200 °F	-40 to +93 °C																			
Temperature Response	See Graph	See Graph	[2][5]																		
Base Strain Sensitivity	0.002 g/ μ e	0.02 (m/s ²)/ μ e	[2]																		
Electrical																					
Excitation Voltage	20 to 30 VDC	20 to 30 VDC																			
Constant Current Excitation	2 to 20 mA	2 to 20 mA																			
Output Impedance	≤ 200 Ohm	≤ 200 Ohm																			
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC																			
Discharge Time Constant	1.0 to 2.0 sec	1.0 to 2.0 sec	[2]																		
Settling Time(within 10% of bias)	< 10 sec	< 10 sec																			
Electrical Isolation(Case)	> 1,000,000 Ohm	> 1,000,000 Ohm																			
Physical																					
Sensing Element	Ceramic	Ceramic																			
Sensing Geometry	Shear	Shear																			
Housing Material	Titanium	Titanium																			
Sealing	Hermetic	Hermetic																			
Size (Hex x Height)	0.375 in x 0.88 in	9.5 mm x 22.4 mm																			
Weight(without cable)	0.19 oz	5.4 gm	[2]																		
Electrical Connector	10-32 Coaxial Plug	10-32 Coaxial Plug																			
Cable Length	10 ft	3.05 m																			
Cable Type	031 Twisted Pair	031 Twisted Pair																			
Mounting Thread	1/4-28 Male	1/4-28 Male																			
NOTES:																					
[1]Typical corner frequency for coupled electrical and mechanical filters.																					
[2]Typical.																					
[3]Electrical filter is a second order filter.																					
[4]Amplitude at resonance is +9 dB.																					
[5]Test conducted on shaker at 100Hz.																					
[6]See PCB Declaration of Conformance PS135 for details.																					
SUPPLIED ACCESSORIES:																					
Model ACS-22 NIST Traceable frequency response (100Hz to ± 1 dB point) (1)																					
Model ACS-74 PneuShock Single Axis Accel Calibration - 5 points to FS up to 10,000 g max (1)																					
 [6]																					
 <p>Typical Sensitivity Deviation vs Temperature</p> <p>The graph shows Sensitivity Deviation (%) on the y-axis (from -10 to 10) versus Temperature (°F) on the x-axis (from 0 to 150). The data points are as follows:</p> <table border="1"> <thead> <tr> <th>Temperature (°F)</th> <th>Sensitivity Deviation (%)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>25</td><td>-1</td></tr> <tr><td>50</td><td>-1</td></tr> <tr><td>75</td><td>-1</td></tr> <tr><td>100</td><td>-1</td></tr> <tr><td>125</td><td>-1</td></tr> <tr><td>150</td><td>-1</td></tr> </tbody> </table>						Temperature (°F)	Sensitivity Deviation (%)	0	0	25	-1	50	-1	75	-1	100	-1	125	-1	150	-1
Temperature (°F)	Sensitivity Deviation (%)																				
0	0																				
25	-1																				
50	-1																				
75	-1																				
100	-1																				
125	-1																				
150	-1																				
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.																					
Entered: ND	Engineer: AJA	Sales: KK	Approved: AJA	Spec Number:																	
Date: 01/06/2026	Date: 01/06/2026	Date: 01/06/2026	Date: 01/06/2026	Date: 01/06/2026	60174																
 <p>Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com</p> <p>3425 Walden Avenue, Depew, NY 14043</p>																					