

Model Number 350C23	ICP® SHOCK ACCELEROMETER				Revision: E ECN #: 56360										
Performance	ENGLISH	SI			OPTIONAL VERSIONS										
Sensitivity($\pm 30\%$)	0.5 mV/g	0.05 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	$\pm 10,000$ g pk	$\pm 98,000$ 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)	0.04 g rms	0.39 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	0.19 oz	5.4 gm	[2]												
Electrical Connector	Integral Cable	Integral Cable													
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)															
Typical Sensitivity Deviation vs Temperature															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Entered: ND</td> <td>Engineer: AJA</td> <td>Sales: KK</td> <td>Approved: AJA</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 01/06/2026</td> <td>Date: 01/06/2026</td> <td>Date: 01/06/2026</td> <td>Date: 01/06/2026</td> <td>60173</td> </tr> </table>						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	60173
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CE
UK
CA [6]

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.
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