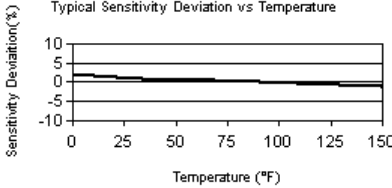


Model Number 350B24	ICP® SHOCK ACCELEROMETER		Revision A ECN #: 28655										
Performance	ENGLISH	SI	Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) M - Metric Mount Mounting Thread M6 x 0.75 Male (M6 x 0.75 Male) Notes [1] Typical. [2] Typical corner frequency for coupled electrical and mechanical filters. [3] Electrical filter is a second order filter. [4] Amplitude at resonance is +9 dB. [5] See PCB Declaration of Conformance PS023 for details.										
Sensitivity (±30 %)	1.0 mV/g	0.1 mV/(m/s ²)											
Measurement Range	±5000 g pk	±49000 m/s ² pk											
Frequency Range (±1 dB)	0.4 to 10000 Hz	0.4 to 10000 Hz	[2]										
Frequency Range (-3 dB)	0.2 to 25000 Hz	0.2 to 25000 Hz	[1][3]										
Electrical Filter Corner Frequency (-3 dB)	13 kHz	13 kHz	[1][4]										
Mechanical Filter Resonant Frequency	23 kHz	23 kHz											
Resonant Frequency	≥100 kHz	≥100 kHz											
Broadband Resolution (1 to 10000 Hz)	0.02 g rms	0.20 m/s ² rms	[1]										
Non-Linearity	≤2.0 %	≤2.0 %											
Transverse Sensitivity	≤7 %	≤7 %											
Environmental			Supplied Accessories ACS-22 NIST Traceable frequency response (100Hz to ±1 dB point) (1)										
Overload Limit (Shock)	±50000 g pk	±490000 m/s ² pk											
Temperature Range (Operating)	0 to +150 °F	-18 to +66 °C											
Temperature Range (Storage)	-40 to +200 °F	-40 to +93 °C											
Temperature Response	See Graph	See Graph	[1]										
Base Strain Sensitivity	0.002 g/με	0.02 (m/s ²)/με	[1]										
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	[1]										
Settling Time (within 10% of bias)	<10 sec	<10 sec											
Electrical Isolation (Case)	>1000000 ohm	>1000000 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 0.75 in	9.5 mm x 19.1 mm											
Weight (without cable)	0.16 oz	4.5 gm	[1]										
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											
<p><i>All specifications are at room temperature unless otherwise specified.</i></p> <p>In the interest of constant product improvement, we reserve the right to change specifications without notice.</p> <p>ICP® is a registered trademark of PCB group, Inc.</p>	<p>Typical Sensitivity Deviation vs Temperature</p> 		<table border="1" data-bbox="1123 1169 2005 1242"> <tr> <td>Entered: BLS</td> <td>Engineer: BAM</td> <td>Sales: WDC</td> <td>Approved: JJB</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 04/23/2008</td> <td>Date: 04/23/2008</td> <td>Date: 04/23/2008</td> <td>Date: 04/23/2008</td> <td>30724</td> </tr> </table> <p data-bbox="1134 1266 1522 1339">PCB PIEZOTRONICS VIBRATION DIVISION</p> <p data-bbox="1564 1266 1837 1445">3425 Walden Avenue Depew, NY 14043 UNITED STATES Phone: 888-684-0013 Fax: 716-685-3886 E-mail: vibration@pcb.com Web site: www.pcb.com</p>	Entered: BLS	Engineer: BAM	Sales: WDC	Approved: JJB	Spec Number:	Date: 04/23/2008	Date: 04/23/2008	Date: 04/23/2008	Date: 04/23/2008	30724
	Entered: BLS	Engineer: BAM	Sales: WDC	Approved: JJB	Spec Number:								
Date: 04/23/2008	Date: 04/23/2008	Date: 04/23/2008	Date: 04/23/2008	30724									

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