



Model Number <b>3713B1150G</b>		<b>TRIAxIAL DC RESPONSE ACCELEROMETER</b>		Revision: D ECN #: 43824										
<b>Performance</b>	<b>ENGLISH</b>	<b>SI</b>		<b>OPTIONAL VERSIONS</b>										
Sensitivity(± 5 %)	40 mV/g	4.1 mV/(m/s <sup>2</sup> )	[5]	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	± 50 g pk	± 490.5 m/s <sup>2</sup> pk												
Frequency Range(± 5 %)	0 to 1000 Hz	0 to 1000 Hz												
Frequency Range(± 10 %)	0 to 1300 Hz	0 to 1300 Hz												
Resonant Frequency	≥ 5.1 kHz	≥ 5.1 kHz												
Phase Response(100 Hz)	<10 °	<10 °												
Broadband Resolution(0.5 to 100 Hz)	6.0 mg rms	0.059 m/s <sup>2</sup> rms	[2]											
Non-Linearity	≤ 1 %	≤ 1 %	[6]											
Transverse Sensitivity	≤ 3 %	≤ 3 %												
<b>Environmental</b>					<b>NOTES:</b>									
Overload Limit(Shock)	± 3000 g pk	± 29,420 m/s <sup>2</sup> pk		[1]Offset tolerance is based on 10 ft of 037 test cable.										
Temperature Range(Operating)	-65 to +250 °F	-54.0 to +121 °C		[2]Typical.										
Temperature Range(Storage)	-65 to +250 °F	-54.0 to +121 °C		[3]-65 to +250 °F, ref. 75 °F (-54 to +121 °C, ref. 24 °C)										
Temperature Coefficient of Sensitivity	± 3 %	± 3 %	[3]	[4]FSO = Full Scale Output over the Measurement Range (4VDC).										
Zero g Offset Temperature Coefficient	± 2 % FSO	± 2 % FSO	[3][4]	[5]Measured at 100 Hz, 10 grms.										
Base Strain Sensitivity	.001 g/με	.01 (m/s <sup>2</sup> )/με	[2]	[6]Zero-based, least-squares, straight line method.										
Magnetic Sensitivity	40 μg/gauss	3.9 (m/s <sup>2</sup> )/Tesla	[2]	[7]See PCB Declaration of Conformance PS027 for details.										
<b>Electrical</b>				<b>SUPPLIED ACCESSORIES:</b>										
Excitation Voltage	6 to 30 VDC	6 to 30 VDC		Model 080A12 Adhesive Mounting Base (1)										
Current Consumption	≤ 6 mA	≤ 6 mA		Model 081B05 Mounting Stud (10-32 to 10-32) (1)										
Output Impedance	≤ 100 Ohm	≤ 100 Ohm		Model ACS-103T Triaxial Calibration Phase and Magnitude from 2 Hz to +5% using Linear scale (1)										
Offset Voltage(0 g)	± 40 mVDC	± 40 mVDC	[1]	Model M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)										
Spectral Noise(1 to 100 Hz)	600 μg/√Hz	5890 (μm/sec <sup>2</sup> )/√Hz	[2]											
Electrical Isolation(Case)	>10 <sup>8</sup> Ohm	>10 <sup>8</sup> Ohm												
<b>Physical</b>														
Housing Material	Titanium	Titanium												
Sealing	Hermetic	Hermetic												
Size (Length x Width x Height)	0.8 in x 0.8 in x 0.8 in	20.3 mm x 20.3 mm x 20.3 mm												
Weight	0.6 oz	17.3 gm												
Electrical Connector	9-Pin	9-Pin												
Electrical Connection Position	Side	Side												
Mounting Thread	10-32 Female	10-32 Female												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Entered: AP</td> <td>Engineer: LAB</td> <td>Sales: MFG</td> <td>Approved: NJF</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 3/9/2015</td> <td>Date: 3/9/2015</td> <td>Date: 3/9/2015</td> <td>Date: 3/9/2015</td> <td style="text-align: center;"><b>45425</b></td> </tr> </table>					Entered: AP	Engineer: LAB	Sales: MFG	Approved: NJF	Spec Number:	Date: 3/9/2015	Date: 3/9/2015	Date: 3/9/2015	Date: 3/9/2015	<b>45425</b>
Entered: AP	Engineer: LAB	Sales: MFG	Approved: NJF	Spec Number:										
Date: 3/9/2015	Date: 3/9/2015	Date: 3/9/2015	Date: 3/9/2015	<b>45425</b>										
 <p>[7]</p>		<p><i>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 Group, Inc.</i></p>												
 <p>3425 Walden Avenue, Depew, NY 14043</p>			<p><b>Phone: 716-684-0001</b> <b>Fax: 716-684-0987</b> <b>E-Mail: info@pcb.com</b></p>											