



Model Number <b>3711E112G</b>	<b>DC RESPONSE ACCELEROMETER</b>			Revision: A ECN #: 44033										
<b>Performance</b>		<b>ENGLISH</b>	<b>SI</b>	<b>OPTIONAL VERSIONS</b> Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.										
Sensitivity(± 3 %)	1000 mV/g	101.9 mV/(m/s <sup>2</sup> )												
Measurement Range	± 2 g pk	± 19.6 m/s <sup>2</sup> pk												
Frequency Range(± 3 dB)	0 to 400 Hz	0 to 400 Hz	[2]											
Frequency Range(± 3 dB)	0 to 200 Hz	0 to 200 Hz	[5]											
Phase Response(10 Hz)	<2.5 °	<2.5 °												
Broadband Resolution(0.5 to 100 Hz)	.1 mg rms	.001 m/s <sup>2</sup> rms	[2]											
Non-Linearity	≤ 1 %	≤ 1 %	[6]											
Transverse Sensitivity	≤ 5 %	≤ 5 %												
<b>Environmental</b>				<b>NOTES:</b> [1]Offset tolerance is based on 10 ft of 010 test cable. [2]Typical. [3]-65 to +250 °F, ref. 75 °F (-54 to +121 °C, ref. 24 °C) [4]FSO = Full Scale Output over the Measurement Range (4VDC). [5]Minimum, verified with Calibration data. [6]Least-squares, straight line method, % FSO. [7]See PCB Declaration of Conformance PS027 for details.										
Overload Limit(Shock)	± 2000 g pk	± 19,620 m/s <sup>2</sup> pk												
Temperature Range(Operating)	-65 to +250 °F	-54.0 to +121 °C												
Temperature Range(Storage)	-65 to +250 °F	-54.0 to +121 °C												
Temperature Coefficient of Sensitivity	± 5 %	± 5 %	[3]											
Zero g Offset Temperature Coefficient	± 4 % FSO	± 4 % FSO	[3][4]											
Base Strain Sensitivity(Measured at 250 µε)	.0002 g/µε	.002 (m/s <sup>2</sup> )/µε	[2]											
Magnetic Sensitivity	100 µg/gauss	9.8 (m/s <sup>2</sup> )/Tesla	[2]											
<b>Electrical</b>				<b>SUPPLIED ACCESSORIES:</b> Model 080A152 Easy Mount Clip (1) Model 081A113 Mounting screw assembly (2) Model ACS-145 Phase and Amplitude Calibration from 2 Hz to ±3 dB of frequency range (1) Model M081A113 Mounting screw assembly (2)										
Excitation Voltage	6 to 30 VDC	6 to 30 VDC												
Current Consumption	≤ 10 mA	≤ 10 mA												
Output Impedance	≤ 120 Ohm	≤ 120 Ohm												
Offset Voltage(0 g)	± 160 mVDC	± 160 mVDC	[1]											
Spectral Noise(1 to 100 Hz)	15 µg/√Hz	147 (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 (Height x Length x Width)	0.45 in x 0.85 in x 0.85 in	11.4 mm x 21.6 mm x 21.6 mm												
Weight	0.58 oz	16.3 gm												
Electrical Connector	4-Pin	4-Pin												
Electrical Connection Position	Side	Side												
Mounting	Through Holes (2)	Through Holes (2)												
 [7] 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.				<table border="1"> <tr> <td data-bbox="1134 941 1291 966">Entered: AP</td> <td data-bbox="1291 941 1449 966">Engineer: JJD</td> <td data-bbox="1449 941 1606 966">Sales: RWM</td> <td data-bbox="1606 941 1764 966">Approved: NJF</td> <td data-bbox="1764 941 1944 966">Spec Number:</td> </tr> <tr> <td data-bbox="1134 966 1291 990">Date: 3/27/2015</td> <td data-bbox="1291 966 1449 990">Date: 3/27/2015</td> <td data-bbox="1449 966 1606 990">Date: 3/27/2015</td> <td data-bbox="1606 966 1764 990">Date: 3/27/2015</td> <td data-bbox="1764 966 1944 990"><b>60024</b></td> </tr> </table>	Entered: AP	Engineer: JJD	Sales: RWM	Approved: NJF	Spec Number:	Date: 3/27/2015	Date: 3/27/2015	Date: 3/27/2015	Date: 3/27/2015	<b>60024</b>
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Date: 3/27/2015	Date: 3/27/2015	Date: 3/27/2015	Date: 3/27/2015	<b>60024</b>										
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