

Model Number 3711B1130G	DC RESPONSE ACCELEROMETER			Revision B ECN #: 34344										
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.)											
Sensitivity (±5 %)	66.7 mV/g	6.80 mV/(m/s²)	Notes [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] Zero-based, least-squares, straight line method. [6] See PCB Declaration of Conformance PS027 for details.											
Measurement Range	±30 g pk	±294.2 m/s² pk												
Frequency Range (±5 %)	0 to 1.0 kHz	0 to 1.0 kHz												
Frequency Range (±10 %)	0 to 1.5 kHz	0 to 1.5 kHz												
Resonant Frequency	≥4 kHz	≥4 kHz												
Phase Response (100 Hz)	<10 °	<10 °												
Broadband Resolution (0.5 to 100 Hz)	3.5 mg rms	.034 m/s² rms [2]												
Non-Linearity	≤1 %	≤1 % [5]												
Transverse Sensitivity	≤3 %	≤3 %												
Environmental			Supplied Accessories 080A152 Easy Mount Clip (1) 081A113 Mounting screw assembly (2) ACS-103 Phase and Amplitude Calibration from 2 Hz to +5% of frequency range (1) M081A113 Mounting screw assembly (2)											
Overload Limit (Shock)	±3000 g pk	±29420 m/s² 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	±3 %	±3 %												
Zero g Offset Temperature Coefficient	±2 %FSO	±2 %FSO [3]												
Base Strain Sensitivity	.0002 g/με	.002 (m/s²)/με [2]												
Magnetic Sensitivity	27.9 μg/gauss	2.8 (m/s²)/Tesla [2]												
Electrical														
Excitation Voltage	6 to 30 VDC	6 to 30 VDC												
Current Consumption	≤5 mA	≤5 mA												
Output Impedance	≤100 ohm	≤100 ohm												
Offset Voltage (0 g)	-40 to +40 mVDC	-40 to +40 mVDC [1]												
Spectral Noise (1 to 100 Hz)	330 μg/√Hz	3237 (μm/sec²)/√Hz [2]												
Electrical Isolation (Case)	>10⁸ ohm	>10⁸ ohm												
Physical														
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 Hole	Through Hole												
 [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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