



Model Number	DC RESPONSE ACCELEROMETER			Revision: B ECN #: 46196
3711E112G				
Performance	ENGLISH	SI		OPTIONAL VERSIONS
Sensitivity(± 3 %)	1000 mV/g	101.9 mV/(m/s ²)	[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	± 2 g pk	± 19.6 m/s ² 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	[6]	
Phase Response(10 Hz)	<3.0 °	<3.0 °		
Broadband Resolution(0.5 to 100 Hz)	.1 mg rms	.001 m/s ² rms	[2]	
Non-Linearity	≤ 1 %	≤ 1 %	[7]	
Transverse Sensitivity	≤ 5 %	≤ 5 %		
Environmental				
Overload Limit(Shock)	± 2000 g pk	± 19,620 m/s ² 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 ²)/µε	[2]	
Magnetic Sensitivity	100 µg/gauss	9.8 (m/s ²)/Tesla	[2]	
Electrical				
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 ²)/√Hz	[2]	
Electrical Isolation(Case)	>10 ⁸ Ohm	>10 ⁸ 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 Holes (2)	Through Holes (2)		
 [8]				
<p>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.</p>				
<p>Entered: LK Engineer: JJD Sales: WDC Approved: NJF Spec Number:</p>				
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