

Model Number 3711E11200G		DC RESPONSE ACCELEROMETER				Revision: A ECN #: 44033	
Performance		ENGLISH	SI	OPTIONAL VERSIONS			
Sensitivity(± 3 %)		10 mV/g	1.02 mV/(m/s²)	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		± 200 g pk	± 1962 m/s² pk				
Frequency Range(± 3 dB)		0 to 3000 Hz	0 to 3000 Hz	[2]			
Frequency Range(± 3 dB)		0 to 1500 Hz	0 to 1500 Hz	[5]			
Phase Response(100 Hz)		<10 °	<10 °				
Broadband Resolution(0.5 to 100 Hz)		4 mg rms	.04 m/s² rms	[2]			
Non-Linearity		≤ 1 %	≤ 1 %	[6]			
Transverse Sensitivity		≤ 5 %	≤ 5 %				
Environmental							
Overload Limit(Shock)		± 5000 g pk	± 49,050 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 %	[3]			
Zero g Offset Temperature Coefficient		± 2 % FSO	± 2 % FSO	[3][4]			
Base Strain Sensitivity(Measured at 250 µε)		.001 g/µε	.01 (m/s²)/µε	[2]			
Magnetic Sensitivity		100 µg/gauss	9.8 (m/s²)/Tesla	[2]			
Electrical							
Excitation Voltage		6 to 30 VDC	6 to 30 VDC				
Current Consumption		≤ 12 mA	≤ 12 mA				
Output Impedance		≤ 120 Ohm	≤ 120 Ohm				
Offset Voltage(0 g)		± 80 mVDC	± 80 mVDC	[1]			
Spectral Noise(1 to 100 Hz)		500 µg/√Hz	4905 (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 Holes (2)	Through Holes (2)				
							
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.							
							
3425 Walden Avenue, Depew, NY 14043							
Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com							