

Model Number EX611A00	CHARGE OUTPUT ACCELEROMETER		Revision: E ECN #: 46623
Performance	ENGLISH	SI	OPTIONAL VERSIONS 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(± 5 %)	10 pC/g	1.02 pC/(m/s ²)	
Measurement Range	± 200 g pk	± 1962 m/s ² pk	NOTES: [1] Typical. [2] Continuous [3] Extreme [4] Low frequency response is determined by external signal conditioning electronics. [5] Zero-based, least-squares, straight line method. [6] Transverse sensitivity is typically ≤ 3%. [7] See PCB Declaration of Conformance PS122 for details.
Frequency Range(± 5 %)	2.8 kHz	2.8 kHz	
Frequency Range(+10 %)	3.7 kHz	3.7 kHz	
Resonant Frequency	≥ 17 kHz	≥ 17 kHz	
Non-Linearity	≤ 1 %	≤ 1 %	
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	± 5000 g pk	± 49,050 m/s ² pk	
Temperature Range	-65 to +1200 °F	-54 to +650 °C	
Temperature Response	See Graph	See Graph	
Base Strain Sensitivity	0.033 g/με	0.32 (m/s ²)/με	
Radiation Exposure Limit(Integrated Neutron Flux)	1 E10 N/cm ²	1 E10 N/cm ²	
Radiation Exposure Limit(Integrated Gamma Flux)	1 E8 rad	1 E8 rad	
Hazardous Area Approval	Ex ia IIC T6 . . . T 710°C Ga	Ex ia IIC T6 . . . T 710°C Ga	
Hazardous Area Approval	IECEX Ex ia IIC T6 . . . T 710°C Ga	IECEX Ex ia IIC T6 . . . T 710°C Ga	
Electrical			
Capacitance(Pin to Pin)	250 pF	250 pF	
Capacitance(Pin to Case)	110 pF	110 pF	
Capacitance(Unbalance Between Pins)	≤ 2 pF	≤ 2 pF	
Insulation Resistance(Pin to Case 70° F)	>10 ⁹ Ohm	>10 ⁹ Ohm	
Insulation Resistance(Pin to Pin 70° F)	>10 ⁹ Ohm	>10 ⁹ Ohm	
Output Polarity	Differential	Differential	
Physical			
Sensing Element	UHT-12™	UHT-12™	
Sensing Geometry	Shear	Shear	
Housing Material	Inconel	Inconel	
Sealing	Hermetic	Hermetic	
Size (Height x Length x Width)	.787 in x 1.465 in x 1.456 in	20 mm x 37 mm x 37 mm	
Weight(without cable)	6.3 oz	180 gm	
Electrical Connector	7/16-27 2-Pin	7/16-27 2-Pin	
Electrical Connection Position	Side	Side	
Cable Length	10 ft	3.05 m	
Cable Type	MI Hardline Cable	MI Hardline Cable	
Mounting	Through Holes (4)	Through Holes (4)	
Typical Sensitivity Deviation vs Temperature			
SUPPLIED ACCESSORIES: Model 100-11121-90 M6x1 x 30mm Long (4) Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point).			
Entered: LK	Engineer: GJR	Sales: JC	Approved: BAM
Date: 3/30/2017	Date: 3/30/2017	Date: 3/30/2017	Date: 3/30/2017
			Spec Number: 57531
			Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com
<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.</i>			3425 Walden Avenue, Depew, NY 14043
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