

Model Number 357C73	CHARGE OUTPUT ACCELEROMETER	Revision: F ECN #: 44200
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	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Sensitivity(± 20 %)	100 pC/g	10.2 pC/(m/s ²)	
Measurement Range	± 300 g pk	± 2943 m/s ² pk	
Frequency Range(± 5 %)	2000 Hz	2000 Hz	[2]
Resonant Frequency	≥ 11 kHz	≥ 11 kHz	
Non-Linearity	≤ 1 %	≤ 1 %	[3]
Transverse Sensitivity	≤ 5 %	≤ 5 %	[4]
Environmental			
Overload Limit(Shock)	± 1000 g pk	± 9810 m/s ² pk	
Temperature Range	-65 to +900 °F	-54 to +482 °C	
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	0.033 g/με	0.32 (m/s ²)/με	[1]
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	
Electrical			
Capacitance(Pin to Pin)	1860 pF	1860 pF	[1]
Capacitance(Pin to Case)	26 pF	26 pF	[1]
Capacitance(Unbalance Between Pins)	≤ 2 pF	≤ 2 pF	
Insulation Resistance(Pin to Case 70° F)	>10 ⁸ Ohm	>10 ⁸ Ohm	[1]
Insulation Resistance(Pin to Pin 70° F)	>10 ⁸ Ohm	>10 ⁸ Ohm	
Insulation Resistance(Pin to Pin 900° F)	>100 kohm	>100 kohm	
Physical			
Sensing Element	Ceramic	Ceramic	
Sealing	Hermetic	Hermetic	
Size (Height x Diameter)	1.57 in x 0.75 in	39.9 mm x 19 mm	
Weight	4.0 oz	115 gm	[1]
Electrical Connector	7/16-27 2-Pin	7/16-27 2-Pin	
Electrical Connection Position	Side	Side	
Mounting	Through Holes (3)	Through Holes (3)	

OPTIONAL VERSIONS

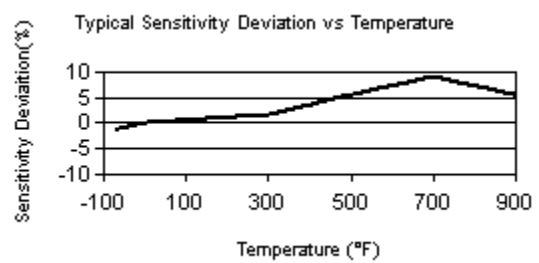
Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

NOTES:

[1]Typical.
 [2]Low frequency response is determined by external signal conditioning electronics.
 [3]Zero-based, least-squares, straight line method.
 [4]Transverse sensitivity is typically ≤ 3%.

SUPPLIED ACCESSORIES:

Model 081A99 Cap Screw (3)
 Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point).



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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Entered: JM	Engineer: PL	Sales: EGY	Approved: NJF	Spec Number:
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