

Model Number 357C73	<b>CHARGE OUTPUT ACCELEROMETER</b>	Revision: F ECN #: 44200
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	<u>ENGLISH</u>	<u>SI</u>	
<b>Performance</b>			
Sensitivity(± 20 %)	100 pC/g	10.2 pC/(m/s <sup>2</sup> )	
Measurement Range	± 300 g pk	± 2943 m/s <sup>2</sup> 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]
<b>Environmental</b>			
Overload Limit(Shock)	± 1000 g pk	± 9810 m/s <sup>2</sup> pk	
Temperature Range	-65 to +900 °F	-54 to +482 °C	
Temperature Response	See Graph	See Graph	[1]
Temperature Response	See Graph	See Graph	
Temperature Response	See Graph	See Graph	
Base Strain Sensitivity	0.033 g/με	0.32 (m/s <sup>2</sup> )/με	[1]
Radiation Exposure Limit(Integrated Neutron Flux)	1 E10 N/cm <sup>2</sup>	1 E10 N/cm <sup>2</sup>	
Radiation Exposure Limit(Integrated Gamma Flux)	1 E8 rad	1 E8 rad	
<b>Electrical</b>			
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 <sup>8</sup> Ohm	>10 <sup>8</sup> Ohm	[1]
Insulation Resistance(Pin to Pin 70° F)	>10 <sup>8</sup> Ohm	>10 <sup>8</sup> Ohm	
Insulation Resistance(Pin to Pin 900° F)	>100 kohm	>100 kohm	
<b>Physical</b>			
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**

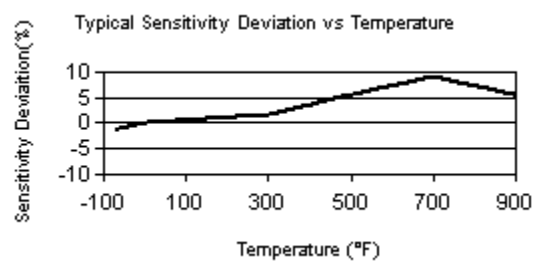
Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

**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).



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Entered: JM	Engineer: PL	Sales: EGY	Approved: NJF	Spec Number:
Date: 6/19/2015	Date: 6/19/2015	Date: 6/19/2015	Date: 6/19/2015	33015

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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