


Model Number 357D90	CHARGE OUTPUT ACCELEROMETER		Revision: B ECN #: 44737
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(± 10 %)	5 pC/g	.51 pC/(m/s ²)	
Measurement Range	± 1000 g pk	± 9800 m/s ² pk	NOTES: [1]Typical. [2]Additional cable length will add approx. 100pF/ft.
Frequency Range(± 5 %)	2.5 kHz	2.5 kHz	
Frequency Range(± 1 dB)	4 kHz	4 kHz	
Resonant Frequency	≥ 14 kHz	≥ 14 kHz	
Non-Linearity(per full scale range)	≤ 2.5 %	≤ 2.5 %	
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	± 2000 g pk	± 19,600 m/s ² pk	
Temperature Range(Operating)	-67 to 1200 °F	-55 to 649 °C	
Temperature Range(Survivable Limit)	-67 to 1400 °F	-55 to 760 °C	
Temperature Range(Cable Termination)	-67 to 900 °F	-55 to 482 °C	
Temperature Response	± 15 %	± 15 %	[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	990 pF	990 pF	[1][2]
Insulation Resistance(@ 1200°F[649°C])	≥ 10 kohm	≥ 10 kohm	
Insulation Resistance(@ 70° F [21°C])	≥ 100 MOhm	≥ 100 MOhm	
Electrical Isolation	Signal isolated from case	Signal isolated from case	
Physical			
Sensing Geometry	Shear	Shear	
Housing Material	Inconel	Inconel	
Sealing(Sensor Housing)	Hermetic	Hermetic	
Sealing(Connector)	Welded Hermetic	Welded Hermetic	
Size (Height x Length x Width)	.66 in x 1.26 in x .66 in	16.7 mm x 32.0 mm x 16.7 mm	
Weight(without cable)	1.8 oz	50 gm	[1]
Electrical Connector	Integral Hardline Cable	Integral Hardline Cable	
Cable Length	10 ft	3.05 m	
Cable Type	MI Hardline Cable	MI Hardline Cable	
Cable Termination	10-32 Coaxial Jack	10-32 Coaxial Jack	
Mounting	Through Hole	Through Hole	
<p><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. ICP® is a registered trademark of PCB Group, Inc.</i></p>			
		SUPPLIED ACCESSORIES:	
		Model 081C108 Mounting Screw, 1/4-28x1, Inconel (1) Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)	
Entered: LK	Engineer: BAM	Sales: RWM	Approved: BAM
Date: 10/28/2015	Date: 10/28/2015	Date: 10/28/2015	Date: 10/28/2015
			Spec Number: 50847
			
		Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com	



Represented in India by

Structural Solutions Pvt Ltd. | Phone: 040 2322 2380 | Email: sales@stsols.com

#4th Floor, Sudheer Tapani Towers, Himayath Nagar, Hyderabad - 500 029