


Model Number 357D92	CHARGE OUTPUT ACCELEROMETER		Revision: D ECN #: 44737
Performance	ENGLISH	SI	OPTIONAL VERSIONS
Sensitivity(± 10 %)	2.3 pC/g	0.23 pC/(m/s ²)	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	± 1000 g pk	± 9800 m/s ² pk	
Frequency Range(± 5 %)	2.5 kHz	2.5 kHz	
Frequency Range(± 1 dB)	4 kHz	4 kHz	
Resonant Frequency	≥ 15 kHz	≥ 15 kHz	
Non-Linearity(per full scale range)	≤ 2.5 %	≤ 2.5 %	
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			NOTES:
Overload Limit(Shock)	± 2000 g pk	± 19,600 m/s ² pk	[1]Typical.
Temperature Range(Operating)	-67 to 1200 °F	-55 to 649 °C	[2]Additional cable length will add approx. 100pF/ft.
Temperature Range(Survivable Limit)	-67 to 1400 °F	-55 to 760 °C	[3]Negative output signal with positive acceleration.
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	[1][2]
Radiation Exposure Limit(Integrated Gamma Flux)	1 E8 rad	1 E8 rad	[3]
Electrical			SUPPLIED ACCESSORIES:
Capacitance	1000 pF	1000 pF	Model 081A116 Mounting Screw, 10-32 UNJF-3Ax 5/8", Inconel 718 (1)
Insulation Resistance(@ 1200°F[649°C])	≥ 10 kohm	≥ 10 kohm	Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)
Insulation Resistance(@ 70° F [21°C])	≥ 100 MOhm	≥ 100 MOhm	
Output Polarity	Negative	Negative	Entered: LK
Electrical Isolation	Signal isolated from case	Signal isolated from case	Engineer: BAM
Physical			Sales: RWM
Sensing Geometry	Shear	Shear	Approved: BAM
Housing Material	Inconel	Inconel	Spec Number:
Sealing(Sensor Housing)	Hermetic	Hermetic	Date: 10/28/2015
Sealing(Connector)	Welded Hermetic	Welded Hermetic	Date: 10/28/2015
Size (Height x Length x Width)	.56 in x .95 in x .56 in	14.2 mm x 24.1 mm x 14.2 mm	Date: 10/28/2015
Weight(without cable)	1.6 oz	45 gm	Date: 10/28/2015
Electrical Connector	Integral Hardline Cable	Integral Hardline Cable	60976
Cable Length	10 ft	3.05 m	
Cable Type	015 Hardline Cable	015 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.</i></p> <p><i>In the interest of constant product improvement, we reserve the right to change specifications without notice.</i></p> <p>ICP® is a registered trademark of PCB Group, Inc.</p>			
			
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