



Model Number 357M168	CHARGE OUTPUT ACCELEROMETER			Revision: A ECN #: 48002
Performance	ENGLISH	SI		OPTIONAL VERSIONS
Sensitivity(± 10 %)	1.15 pC/g	.117 pC/(m/s ²)	[3]	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	[3]	
Frequency Range(± 10 %)	10 kHz	10 kHz		
Resonant Frequency	45 kHz	45 kHz	[1]	
Non-Linearity(per full scale range)	≤ 1 %	≤ 1 %		
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	See Graph	See Graph	[1]	
Radiation Exposure Limit(Integrated Neutron Flux)	1E10 N/cm ²	1E10 N/cm ²		
Radiation Exposure Limit(Integrated Gamma Flux)	1E8 rad	1E8 rad		
Electrical				NOTES:
Capacitance	1000 pF	1000 pF	[1][2]	[1] Typical.
Insulation Resistance(@ 1200°F[649°C])	≥ 30 kohm	≥ 30 kohm		[2] Additional cable length will add approx. 100pF/ft.
Insulation Resistance(@ 70° F [21°C])	≥ 1 GOhm	≥ 1 GOhm		[3] Conversion Factor 1g = 9.81 m/s ² .
Output Polarity	Positive	Positive		[4] See PCB Declaration of Conformance PS081 for details.
Electrical Isolation	Signal isolated from case	Signal isolated from case		
Physical				
Sensing Element	UHT-12™	UHT-12™		
Sensing Geometry	Shear	Shear		
Housing Material	Nickel Alloy	Nickel Alloy		
Sealing(Sensor Housing)	Hermetic	Hermetic		
Sealing(Connector)	Welded Hermetic	Welded Hermetic		
Size (Height x Length x Width)	.40 in x .55 in x .50 in	10.2 mm x 14.0 mm x 12.7 mm	[1]	
Weight(without cable)	.35 oz	10 gm		
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 Thread	5-40 Female	5-40 Female		
	<p>Typical Sensitivity Deviation vs Temperature</p>			
				
<p>SUPPLIED ACCESSORIES: Model 64287-01 Mounting Stud 5-40 to 10-32 (1) Model ACS-44 Extended amplitude response, upper 5% point to 10% point (requires ACS-1 or equivalent). (1)</p>				
Entered: LK		Engineer: NJF		Sales: MC
Date: 3/14/2018		Date: 3/14/2018		Date: 3/14/2018
Approved: NJF			Spec Number:	
				65436
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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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