

Model Number EX356A73	TRIAxIAL CHARGE OUTPUT ACCELEROMETER	Revision: A ECN #: 48599
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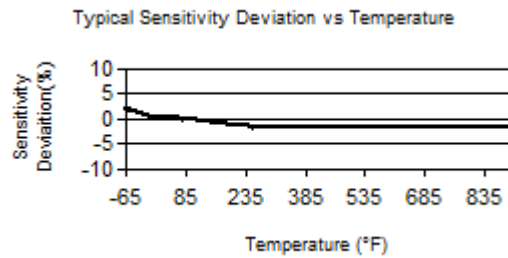
	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Sensitivity	3.2 pC/g	.33 pC/(m/s ²)	
Measurement Range	500 g pk	4905 m/s ² pk	
Frequency Range(+/-5 %)	4 kHz	4 kHz	[2]
Resonant Frequency	≥ 25 kHz	≥ 25 kHz	
Non-Linearity	≤ 1 % FS	≤ 1 % FS	[3]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	3000 g pk	29,400 m/s ² pk	
Temperature Range	-67 to 900 °F	-55 to 482 °C	
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	.003 g/με	.029 (m/s ²)/με	[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			
Capacitance	120 pF	120 pF	[1]
Insulation Resistance(at 70° F [21° C])	>1 GOhm	>1 GOhm	
Insulation Resistance(at 900°F)	>100 kohm	>100 kohm	
Electrical Isolation(Case)	>1E6 Ohm	>1E6 Ohm	
Output Polarity	Positive	Positive	
Physical			
Sensing Element	UHT-12™	UHT-12™	
Sensing Geometry	Shear	Shear	
Housing Material	Nickel Alloy	Nickel Alloy	
Sealing	Hermetic	Hermetic	
Size (Length x Width x Height)	1.35 in x 1.35 in x 1.00 in	34.3 mm x 34.3 mm x 25.4 mm	
Weight	6.0 oz	170 gm	[1]
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Mounting	Through Hole	Through Hole	
Mounting Torque	18 to 20 in-lb	2 to 2.3 Nm	

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] See PCB Declaration of Conformance PS187 for details.

SUPPLIED ACCESSORIES:
 Model 62491-01 Mounting screw, 8-32 UNC-2A x 7/8", Inconel 718 (2)
 Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)



Entered: LK	Engineer: JJD	Sales: MC	Approved: BAM	Spec Number:
Date: 8/23/2018	Date: 8/23/2018	Date: 8/23/2018	Date: 8/23/2018	62478



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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