

Model Number  
EX356A73

# TRIAxIAL CHARGE OUTPUT ACCELEROMETER

Revision: B  
ECN #: 54101

	ENGLISH	SI	
<b>Performance</b>			
Sensitivity(± 10 %)	3.1 pC/g	.32 pC/(m/s <sup>2</sup> )	
Measurement Range	500 g pk	4,905 m/s <sup>2</sup> pk	
Frequency Range(+/- 5 %)	4 kHz	4 kHz	[1]
Resonant Frequency	≥ 25 kHz	≥ 25 kHz	
Non-Linearity	≤ 1 % FS	≤ 1 % FS	[2]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
<b>Environmental</b>			
Overload Limit(Shock)	3,000 g pk	29,400 m/s <sup>2</sup> pk	
Temperature Range	-67 to 900 °F	-55 to 482 °C	
Temperature Response	See Graph	See Graph	[3]
Base Strain Sensitivity	.003 g/με	.029 (m/s <sup>2</sup> )/με	[3]
Radiation Exposure Limit(Integrated Neutron Flux)	1E10 N/cm <sup>2</sup>	1E10 N/cm <sup>2</sup>	
Radiation Exposure Limit(Integrated Gamma Flux)	1E8 rad	1E8 rad	
<b>Electrical</b>			
Capacitance	120 pF	120 pF	[3]
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	
<b>Physical</b>			
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	[3]
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

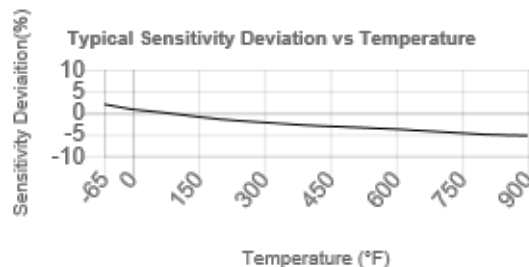
Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

### NOTES:

- [1] Low frequency response is determined by external signal conditioning electronics.
- [2] Zero-based, least-squares, straight line method.
- [3] Typical.
- [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)



[4]



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.

Entered: ND	Engineer: JJD	Sales: RWM	Approved: NJF	Spec Number:
Date: 07/26/2023	Date: 07/26/2023	Date: 07/26/2023	Date: 07/26/2023	62478

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