

Model Number 356A71	TRIAxIAL CHARGE OUTPUT ACCELEROMETER	Revision: D ECN #: 40410
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	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Sensitivity(± 30 %)	10 pC/g	1.02 pC/(m/s ²)	
Measurement Range	± 500 g pk	± 4905 m/s ² pk	
Frequency Range(+5 %)	5 kHz	5 kHz	[2]
Frequency Range(+10 %)	7 kHz	7 kHz	[2]
Resonant Frequency	≥ 25 kHz	≥ 25 kHz	
Non-Linearity	≤ 1 %	≤ 1 %	[3]
Transverse Sensitivity	≤ 5 %	≤ 5 %	
Environmental			
Overload Limit(Shock)	± 5000 g pk	± 49,000 m/s ² pk	
Temperature Range	-95 to +490 °F	-70 to +254 °C	
Temperature Response	See Graph	See Graph	[1]
Electrical			
Capacitance	690 pF	690 pF	[1]
Insulation Resistance(at 70 °F [21 °C])	>10 ¹² Ohm	>10 ¹² Ohm	
Insulation Resistance(at 490 °F [254 °C])	>10 ⁸ Ohm	>10 ⁸ Ohm	[1]
Output Polarity	Negative	Negative	
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Size (Length x Width x Height)	0.96 in x 1.00 in x 0.50 in	24.4 mm x 25.4 mm x 12.7 mm	
Weight	0.8 oz	22.7 gm	[1]
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Mounting	Through Hole	Through Hole	
Mounting Torque	8 to 10 in-lb	90 to 113 N-cm	

OPTIONAL VERSIONS

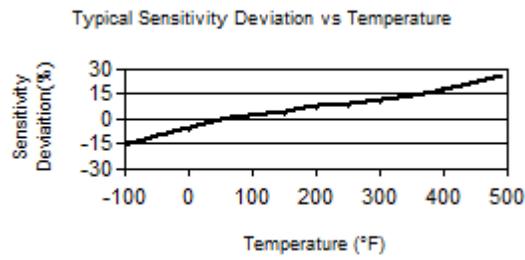
Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

M - Metric Mount
 Supplied Accessory : Model M039A22 Allen wrench for use with M3 thread (1) replaces Model 039A22
 Supplied Accessory : Model M080A170 Adhesive mounting base (1) replaces Model 080A170
 Supplied Accessory : Model M081A94 Mounting Stud, M3 X 0.50 X 20mm (2) replaces Model 081A94

P - Positive Output Polarity

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

SUPPLIED ACCESSORIES:
 Model 039A22 Allen wrench, 7/64" hex (1)
 Model 080A170 Adhesive mounting base (for Model 356A71) (1)
 Model 080A90 Quick Bonding Gel (1)
 Model 081A94 Mounting stud, 6-32 UNC, 0.75" long (2)
 Model ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)



Entered:	Engineer: MAM	Sales: WDC	Approved: BAM	Spec Number:
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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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