

Model Number
357B45

CHARGE OUTPUT ACCELEROMETER

Revision: C
ECN #: 53073

Performance

	ENGLISH	SI	
Sensitivity(± 20 %)	2.6 pC/g	0.26 pC/(m/s ²)	
Measurement Range	± 500 g pk	± 4,905 m/s ² pk	
Frequency Range(+ 5 %)	8,000 Hz	8,000 Hz	[1]
Frequency Range(+ 10 %)	10,000 Hz	10,000 Hz	[1]
Resonant Frequency	≥ 30 kHz	≥ 30 kHz	
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 5 %	≤ 5 %	[3]

Environmental

Overload Limit(Shock)	± 5,000 g pk	± 49,050 m/s ² pk	
Temperature Range	-100 to +350 °F	-73 to +177 °C	
Temperature Response	See Graph	See Graph	[4]

Electrical

Capacitance	260 pF	260 pF	[4]
Insulation Resistance	> 10 ¹⁰ Ohm	> 10 ¹⁰ Ohm	[4]
Output Polarity	Negative	Negative	

Physical

Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Welded Hermetic	Welded Hermetic	
Size (Hex x Height)	0.38 in x 0.38 in	9.7 mm x 9.7 mm	
Weight	0.10 oz	2.8 gm	[4]
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Electrical Connection Position	Top	Top	
Mounting	Adhesive	Adhesive	

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.

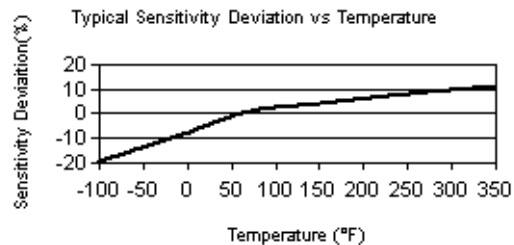
P - Positive Output Polarity	Positive	Positive
Output Polarity		

NOTES:

- [1] Low frequency response is determined by external signal conditioning electronics.
- [2] Zero-based, least-squares, straight line method.
- [3] Transverse sensitivity is typically ≤ 3%.
- [4] Typical.
- [5] See PCB Declaration of Conformance PS158 for details.

SUPPLIED ACCESSORIES:

- Model 080A109 Petro Wax (1)
- Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)
- Model ACS-30 Single-axis extended amplitude response, upper 5% point to 10 kHz (requires ACS-1 or equivalent). (1)



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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Entered: ND	Engineer: TL	Sales: WDC	Approved: JS	Spec Number:
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