

# CHARGE OUTPUT ACCELEROMETER

**Performance**  
Sensitivity (± 15 %)  
Measurement Range  
Frequency Range(+5 %)  
Frequency Range(+10 %)  
Resonant Frequency  
Non-Linearity  
Transverse Sensitivity

**Environmental**  
Overload Limit(Shock)  
Temperature Range  
Temperature Response  
Base Strain Sensitivity

**Electrical**  
Capacitance  
Insulation Resistance(at 70° F [21°C])  
Output Polarity  
Electrical Isolation(Base)

**Physical**  
Sensing Element  
Sensing Geometry  
Housing Material  
Sealing  
Size (Height x Length x Width)  
Weight  
Electrical Connector  
Electrical Connection Position  
Mounting

**ENGLISH**  
17 pC/g  
± 500 g pk  
10 kHz  
12 kHz  
≥ 35 kHz  
≤ 1 %  
≤ 5 %

± 5000 g pk  
-65 to +350 °F  
See Graph  
≤ 0.05 g/μe

1600 pF  
>10<sup>11</sup> ohm  
Negative  
>10<sup>8</sup> ohm

Ceramic  
Shear  
Titanium  
Welded Hermetic  
0.40 in x 0.95 in x 0.63 in  
0.35 oz  
10-32 Coaxial Jack  
Side  
Through Hole

1.7 pC/(m/s<sup>2</sup>)  
± 4900 m/s<sup>2</sup> pk  
10 kHz  
12 kHz  
≥ 35 kHz  
≤ 1 %  
≤ 5 %

± 49,050 m/s<sup>2</sup> pk  
-54 to +177 °C  
See Graph  
≤ 0.49 (m/s<sup>2</sup>)/μe

1600 pF  
>10<sup>11</sup> ohm  
Negative  
>10<sup>8</sup> ohm

Ceramic  
Shear  
Titanium  
Welded Hermetic  
10.2 mm x 24.1 mm x 16.0 mm  
10 gm  
10-32 Coaxial Jack  
Side  
Through Hole

**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.

**A** - Adhesive Mount  
Supplied Accessory : Model 080A110 High Temperature Adhesive (1)

**M** - Metric Mount  
Supplied Accessory : Model M039A22 Allen wrench for use with M3 thread (1) replaces Model 039A22  
Supplied Accessory : Model M081B45 off ground screw assembly (1) replaces Model 081B45

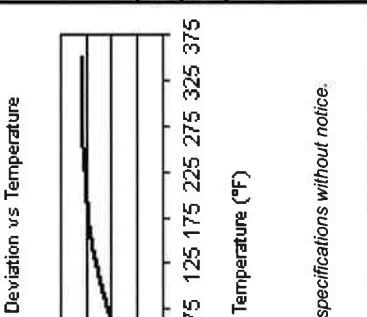
**P** - Positive Output Polarity  
Output Polarity Positive

**W** - Water Resistant Cable  
Electrical Connector Sealed Integral Cable  
Electrical Connection Position Sealed Integral Cable Side

**NOTES:**  
(1) Typical.  
(2) Low frequency response is determined by external signal conditioning electronics.  
(3) Zero-based, least-squares, straight line method.  
(4) Transverse sensitivity is typically ≤ 3%.

**SUPPLIED ACCESSORIES:**  
Model 039A22 Allen wrench, 7/64" hex (1)  
Model 080A109 Petro Wax (1)  
Model 081B45 off ground screw assembly (1)  
Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point).

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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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