
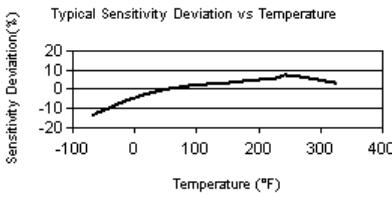


Model Number 354C02	ACCELEROMETER, ICP[®], TRIAXIAL		Revision M ECN #: 29040										
Performance Sensitivity (±10 %) Measurement Range Frequency Range (±5 %) Frequency Range (±10 %) Frequency Range (±3 dB) Resonant Frequency Broadband Resolution (1 to 10000 Hz) Non-Linearity Transverse Sensitivity	ENGLISH 10 mV/g ±500 g pk 0.5 to 2000 Hz 0.3 to 4000 Hz 0.2 to 6000 Hz ≥12 kHz 0.0005 g rms ≤1 % ≤5 %	SI 1.02 mV/(m/s ²) ±4905 m/s ² pk 0.5 to 2000 Hz 0.3 to 4000 Hz 0.2 to 6000 Hz ≥12 kHz 0.005 m/s ² rms ≤1 % ≤5 %	Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) A - Adhesive Mount Supplied Accessory: Model 080A90 Quick bond Gel (for use with accelerometer adhesive mtg bases to fill gaps on rough surfaces) HT - High temperature, extends normal operation temperatures Frequency Range (±5 %) Frequency Range (±10 %) Frequency Range (±3 dB) Broadband Resolution (1 to 10000 Hz) Temperature Range (Operating) Excitation Voltage Output Bias Voltage Discharge Time Constant Spectral Noise (1 Hz) Spectral Noise (10 Hz) Spectral Noise (100 Hz) Spectral Noise (1 kHz)										
Environmental Overload Limit (Shock) Temperature Range Temperature Response Base Strain Sensitivity	±5000 g pk -65 to +250 °F See Graph 0.0005 g/με	±49050 m/s ² pk -54 to +121 °C See Graph 0.005 (m/s ²)/με	[1] [4] [3] [1]										
Electrical Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Discharge Time Constant Settling Time (within 10% of bias) Spectral Noise (1 Hz) Spectral Noise (10 Hz) Spectral Noise (100 Hz) Spectral Noise (1 kHz) Electrical Isolation	18 to 30 VDC 2 to 20 mA ≤100 ohm 8 to 12 VDC 0.8 to 2.0 sec <10 sec 150 μg/√Hz 23 μg/√Hz 10 μg/√Hz 5 μg/√Hz >10 ⁸ ohm	18 to 30 VDC 2 to 20 mA ≤100 ohm 8 to 12 VDC 0.8 to 2.0 sec <10 sec 1472 (μm/sec ² /√Hz) 226 (μm/sec ² /√Hz) 98 (μm/sec ² /√Hz) 49 (μm/sec ² /√Hz) >10 ⁸ ohm	[1] [4] [1] [1] [1] [1] [1] [1] [1]										
Physical Sensing Element Sensing Geometry Housing Material Sealing Size (Hex x Height) Weight Electrical Connector Electrical Connection Position Mounting	Ceramic Shear Titanium Welded Hermetic 0.815 in x 0.45 in 0.55 oz 1/4-28 4-Pin Side Through Hole	Ceramic Shear Titanium Welded Hermetic 20.7 mm x 11.4 mm 15.5 gm 1/4-28 4-Pin Side Through Hole	[1] [1] [1] [1] [1] [1] [1] [1] [1]										
 [5]			Notes [1] Typical. [2] TEDS option adds 1.0 VDC to bias voltage. [3] 250° F to 325° F data valid with HT option only. [4] Zero-based, least-squares, straight line method. [5] See PCB Declaration of Conformance PS023 for details. Supplied Accessories 039A23 Allen wrench, 5/32" hex (1) 080A109 Petro Wax (1) 081B60 Insulated cap screw, 10-32 thd x 5/8" long (for Model 354C02) (1) ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (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. ICP [®] is a registered trademark of PCB group, Inc.			<table border="1"> <tr> <td>Entered: BLS</td> <td>Engineer: JF</td> <td>Sales: WDC</td> <td>Approved: BAM</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 07/08/2008</td> <td>Date: 07/01/2008</td> <td>Date: 07/01/2008</td> <td>Date: 07/02/2008</td> <td>11065</td> </tr> </table>	Entered: BLS	Engineer: JF	Sales: WDC	Approved: BAM	Spec Number:	Date: 07/08/2008	Date: 07/01/2008	Date: 07/01/2008	Date: 07/02/2008	11065
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3425 Walden Avenue
Depew, NY 14043
UNITED STATES
Phone: 888-684-0013
Fax: 716-685-3886
E-mail: vibration@pcb.com
Web site: www.pcb.com