
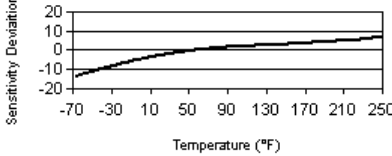


Model Number 352C65	ACCELEROMETER, ICP®		Revision L ECN #: 16511	
Performance Sensitivity (±10 %) Measurement Range Frequency Range (±5 %) Frequency Range (±10 %) Frequency Range (±3 dB) Resonant Frequency Phase Response (±5 °) (at 70°F [21°C]) Broadband Resolution (1 to 10000 Hz) Non-Linearity Transverse Sensitivity	ENGLISH 100 mV/g ±50 g pk 0.5 to 10000 Hz 0.3 to 12000 Hz 0.2 to 20000 Hz ≥35 kHz 2 to 6000 Hz 0.00016 g rms ≤1 % ≤5 %	SI 10.2 mV/(m/s²) ±491 m/s² pk 0.5 to 10000 Hz 0.3 to 12000 Hz 0.2 to 20000 Hz ≥35 kHz 2 to 6000 Hz 0.0015 m/s² 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 [6] Supplied Accessory: Model 080A90 Quick bond Gel (for use with accelerometer adhesive mtg bases to fill gaps on rough surfaces) replaces Model 080A15 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) Discharge Time Constant Spectral Noise (1 Hz) Spectral Noise (10 Hz) Spectral Noise (100 Hz) Spectral Noise (1000 Hz)	
Environmental Overload Limit (Shock) Temperature Range (Operating) Base Strain Sensitivity	±5000 g pk -65 to +200 °F <0.005 g/µε	±49050 m/s² pk -54 to +93 °C <0.05 (m/s²)/µε	0.0002 g rms 0.002 m/s² rms -65 to +250 °F 0.08 to 0.24 sec 75 µg/√Hz 25 µg/√Hz 5 µg/√Hz 1.5 µg/√Hz -54 to +121 °C 0.08 to 0.24 sec 736 (µm/sec²) /√Hz 245 (µm/sec²) /√Hz 49 (µm/sec²) /√Hz 14.7 (µm/sec²) /√Hz	
Electrical Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Discharge Time Constant Spectral Noise (10 Hz) Spectral Noise (100 Hz) Spectral Noise (1 kHz)	18 to 30 VDC 2 to 20 mA ≤300 Ohm 8 to 12 VDC 0.8 to 2.4 sec 16 µg/√Hz 5 µg/√Hz 1.5 µg/√Hz	18 to 30 VDC 2 to 20 mA ≤300 Ohm 8 to 12 VDC 0.8 to 2.4 sec 157 (µm/sec²) /√Hz 49 (µm/sec²) /√Hz 14.7 (µm/sec²) /√Hz	0.002 g rms 0.002 m/s² rms -65 to +250 °F 0.08 to 0.24 sec 75 µg/√Hz 25 µg/√Hz 5 µg/√Hz 1.5 µg/√Hz -54 to +121 °C 0.08 to 0.24 sec 736 (µm/sec²) /√Hz 245 (µm/sec²) /√Hz 49 (µm/sec²) /√Hz 14.7 (µm/sec²) /√Hz	
Physical Weight Sensing Element Sensing Geometry Housing Material Sealing Electrical Connector Electrical Connection Position Mounting Thread Mounting Torque	0.070 oz Ceramic Shear Titanium Welded Hermetic 5-44 Coaxial Side 5-40 Male 8 to 12 in-lb	2.0 gm Ceramic Shear Titanium Welded Hermetic 5-44 Coaxial Side 5-40 Male 90 to 135 N-cm	J - Ground Isolated Frequency Range (5 %) Frequency Range (10 %) Frequency Range (3 dB) Resonant Frequency Electrical Isolation (Base) Size (Hex x Height) Weight M - Metric Mount Mounting Thread Supplied Accessory: Model M080A15 Metric adhesive base, 0.31" hex x 0.125" thk, M3 x 0.50 thd, aluminum with insulating hardcoat finish replaces Model 080A15 W - Water Resistant Cable Electrical Connector Electrical Connection Position	
 [5]	<p data-bbox="661 1149 997 1169">Typical Sensitivity Deviation vs Temperature</p> 		Notes [1] Typical. [2] 200°F to 250°F data valid with HT option only. [3] Zero-based, least-squares, straight line method. [4] Transverse sensitivity is typically ≤ 3%. [5] See PCB Declaration of Conformance PS023 for details. [6] Mounting stud removed, adhesive mounting base not required. Supplied Accessories 080A109 Petro Wax (1) 080A15 Adhesive Mounting Base (1) ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). ()	
<i>All specifications are at room temperature unless otherwise specified.</i> In the interest of constant product improvement, we reserve the right to change specifications without notice.				
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