

Model Number 352M170	ICP® ACCELEROMETER		Revision: C ECN #: 37788										
Performance Sensitivity(± 10 %) Measurement Range Frequency Range(± 5 % (± 10 %) Resonant Frequency Broadband Resolution(1 to 10,000 Hz) Non-Linearity Transverse Sensitivity	ENGLISH 10 mV/g ± 500 g pk 1.0 to 10,000 Hz 0.5 to 15,000 Hz ≥ 50 kHz 0.0005 g rms ≤ 1 % ≤ 5 %	SI 1.02 mV/(m/s ²) ± 4905 m/s ² pk 1.0 to 10,000 Hz 0.5 to 15,000 Hz ≥ 50 kHz 0.0016 m/s ² rms ≤ 1 % ≤ 5 %	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. T - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4 TLA - TEDS LMS International - Free Format TLB - TEDS LMS International - Automotive Format TLC - TEDS LMS International - Aeronautical Format TLD - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4 Excitation Voltage 23 to 30 VDC 23 to 30 VDC Output Bias Voltage 7.5 to 17 VDC 7.5 to 17 VDC										
Environmental Overload Limit(Shock) Temperature Range(Operating) Temperature Response Base Strain Sensitivity	± 5000 g pk -65 to +250 °F See Graph 0.01 g/με	± 49,000 m/s ² pk -54 to +121 °C See Graph 0.1 (m/s ²)/με	[1] [2] [1] [1]										
Electrical Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Discharge Time Constant Spectral Noise(1 Hz) (10 Hz) (100 Hz) (1 kHz)	20 to 30 VDC 2 to 20 mA ≤ 300 ohm 7 to 16 VDC 0.5 to 3 sec 60 μg/√Hz 20 μg/√Hz 10 μg/√Hz 5 μg/√Hz	20 to 30 VDC 2 to 20 mA ≤ 300 ohm 7 to 16 VDC 0.5 to 3 sec 589 (μm/sec ²)/√Hz 196 (μm/sec ²)/√Hz 98 (μm/sec ²)/√Hz 49 (μm/sec ²)/√Hz	NOTES: [1] Typical. [2] Zero-based, least-squares, straight line method.										
Physical Sensing Element Sensing Geometry Housing Material Sealing Size (Length x Width) Weight Electrical Connector Electrical Connection Position Mounting	Ceramic Shear Titanium Welded Hermetic 0.64 in x 0.40 in 0.14 oz 10-32 Coaxial Jack Side Adhesive	Ceramic Shear Titanium Welded Hermetic 16.3 mm x 10.2 mm 4.0 gm 10-32 Coaxial Jack Side Adhesive	[1]										
	<p style="text-align: center;">Typical Sensitivity Deviation vs Temperature</p>		SUPPLIED ACCESSORIES: Model 080A109 Petro Wax (1) Model 080A90 Quick Bonding Gel (1) Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (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: <i>YH</i></td> <td>Engineer: <i>JDC</i></td> <td>Sales: <i>RWM</i></td> <td>Approved: <i>PAM</i></td> <td>Spec Number:</td> </tr> <tr> <td>Date: <i>12-16-11</i></td> <td>Date: <i>11-30-11</i></td> <td>Date: <i>12-5-11</i></td> <td>Date: <i>11-30-11</i></td> <td>31618</td> </tr> </table> <p style="text-align: center;"> PCB PIEZOTRONICS™ VIBRATION DIVISION Phone: 716-684-0001 Fax: 716-685-3886 E-Mail: vibration@pcb.com 3425 Walden Avenue, Depew, NY 14043 </p>	Entered: <i>YH</i>	Engineer: <i>JDC</i>	Sales: <i>RWM</i>	Approved: <i>PAM</i>	Spec Number:	Date: <i>12-16-11</i>	Date: <i>11-30-11</i>	Date: <i>12-5-11</i>	Date: <i>11-30-11</i>	31618
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