
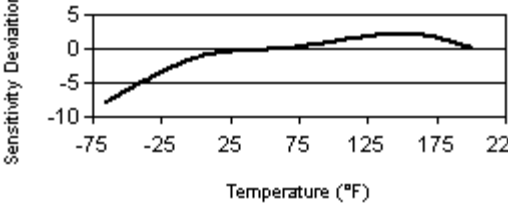


Model Number 604B32	<b>INDUSTRIAL ICP® ACCELEROMETER</b>			Revision: NR ECN #: 44689								
<b>Performance</b> Sensitivity(± 20 %)      500 mV/g Measurement Range      ± 10 g Frequency Range(± 3 dB)      30 to 180,000 cpm Resonant Frequency      600 kcpm Broadband Resolution(1 to 10,000 Hz)      150 µg Non-Linearity      ± 1 % Transverse Sensitivity      ≤ 5 %	<b>ENGLISH</b> 500 mV/g ± 10 g 30 to 180,000 cpm 600 kcpm 150 µg ± 1 % ≤ 5 %	<b>SI</b> 51 mV/(m/s <sup>2</sup> ) ± 98 m/s <sup>2</sup> .5 to 3000 Hz 10 kHz 1471 µm/sec <sup>2</sup> ± 1 % ≤ 5 %	[2] [3] [1] [1] [4]	<b>OPTIONAL VERSIONS</b> Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.  M - Metric Mount Supplied Accessory : Model M081A68 Captive mounting bolt M6 x 1 (1) replaces Model 081A68								
<b>Environmental</b> Overload Limit(Shock)      5000 g pk Temperature Range      -65 to +250 °F Temperature Response      See Graph Enclosure Rating      IP68	5000 g pk -65 to +250 °F See Graph IP68	49,050 m/s <sup>2</sup> pk -54 to +121 °C See Graph IP68	[1]									
<b>Electrical</b> Settling Time(within 1% of bias)      ≤ 5.0 sec Discharge Time Constant      ≥ 0.3 sec Excitation Voltage      18 to 28 VDC Constant Current Excitation      2 to 20 mA Output Impedance      <500 Ohm Output Bias Voltage      8 to 12 VDC Spectral Noise(10 Hz)      8 µg/√Hz Spectral Noise(100 Hz)      3 µg/√Hz Spectral Noise(1 kHz)      3 µg/√Hz Electrical Isolation(Case)      >10 <sup>8</sup> Ohm	≤ 5.0 sec ≥ 0.3 sec 18 to 28 VDC 2 to 20 mA <500 Ohm 8 to 12 VDC 8 µg/√Hz 3 µg/√Hz 3 µg/√Hz >10 <sup>8</sup> Ohm	≤ 5.0 sec ≥ 0.3 sec 18 to 28 VDC 2 to 20 mA <500 Ohm 8 to 12 VDC 78.5 (µm/sec <sup>2</sup> )/√Hz 29.4 (µm/sec <sup>2</sup> )/√Hz 29.4 (µm/sec <sup>2</sup> )/√Hz >10 <sup>8</sup> Ohm	[1] [1] [1] [1]	<b>NOTES:</b> [1]Typical. [2]Conversion Factor 1g = 9.81 m/s <sup>2</sup> . [3]The high frequency tolerance is accurate within ±10% of the specified frequency. [4]Zero-based, least-squares, straight line method. [5]1/4-28 has no equivalent in S.I. units. [6]See PCB Declaration of Conformance PS023 for details.								
<b>Physical</b> Size (Diameter x Height)      1.38 in x 1.00 in Weight(without cable)      4.4 oz Mounting Thread      1/4-28 UNF Mounting Torque      2 to 5 ft-lb Sensing Element      Ceramic Sensing Geometry      Shear Housing Material      Stainless Steel Sealing      Welded Hermetic Electrical Connector      4-Pin MIL-C-26482 Electrical Connection Position      Side Electrical Connections(Pin A)      X axis Electrical Connections(Pin B)      Y axis Electrical Connections(Pin C)      Z axis Electrical Connections(Pin D)      Ground	1.38 in x 1.00 in 4.4 oz 1/4-28 UNF 2 to 5 ft-lb Ceramic Shear Stainless Steel Welded Hermetic 4-Pin MIL-C-26482 Side X axis Y axis Z axis Ground	34.9 mm x 25.4 mm 124.7 gm 1/4-28 UNF 2.7 to 6.8 Nm Ceramic Shear Stainless Steel Welded Hermetic 4-Pin MIL-C-26482 Side X axis Y axis Z axis Ground	[5]	<b>SUPPLIED ACCESSORIES:</b> Model 081A68 Captive mounting bolt 1/4-28 x .90" (1) Model ACS-2T NIST Traceable Single Point Calibration at 100 Hz for Each Axis (1)								
	<p>Typical Sensitivity Deviation vs Temperature</p> 	<table border="1"> <tr> <td data-bbox="1123 1242 1291 1291">Entered: LK</td> <td data-bbox="1291 1242 1459 1291">Engineer: AF</td> <td data-bbox="1459 1242 1627 1291">Sales: EGY</td> <td data-bbox="1627 1242 1795 1291">Approved: BAM</td> <td data-bbox="1795 1242 1946 1291">Spec Number:</td> </tr> <tr> <td data-bbox="1123 1291 1291 1339">Date: 10/14/2015</td> <td data-bbox="1291 1291 1459 1339">Date: 10/14/2015</td> <td data-bbox="1459 1291 1627 1339">Date: 10/14/2015</td> <td data-bbox="1627 1291 1795 1339">Date: 10/14/2015</td> <td data-bbox="1795 1291 1946 1339">62760</td> </tr> </table> <p><b>IMI SENSORS</b>  A PCB PIEZOTRONICS DIV.  3425 Walden Avenue, Depew, NY 14043</p> <p>Phone: 800-959-4464  Fax: 716-684-3823  E-Mail: imi@pcb.com</p>	Entered: LK	Engineer: AF	Sales: EGY	Approved: BAM	Spec Number:	Date: 10/14/2015	Date: 10/14/2015	Date: 10/14/2015	Date: 10/14/2015	62760
Entered: LK	Engineer: AF	Sales: EGY	Approved: BAM	Spec Number:								
Date: 10/14/2015	Date: 10/14/2015	Date: 10/14/2015	Date: 10/14/2015	62760								
<p>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.</p>												