


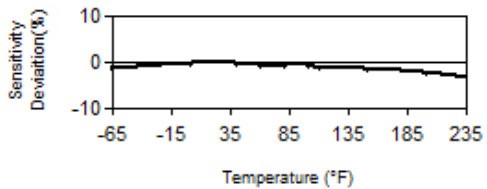



Model Number VO622B01	HIGH FREQUENCY INDUSTRIAL ICP® VELOCITY SENSOR			Revision: A ECN #: 48330										
Performance Sensitivity(± 10 %) Measurement Range Frequency Range(± 10 %) Frequency Range(± 3 dB) Resonant Frequency Broadband Resolution(1 to 10,000 Hz) Non-Linearity Transverse Sensitivity	ENGLISH 100 mV/in/sec ± 50 in/sec 240 to 270,000 cpm 180 to 540,000 cpm 1800 kcpm 450 µin/sec ± 1 % ≤ 5 %	SI 3937 mV/m/sec ± 1.27 m/sec 4 to 4500 Hz 3 to 9000 Hz 30 kHz 11.4 µm/sec ± 1 % ≤ 5 %	[2] [3][4] [1] [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. EX - Hazardous Area Approval- contact factory for specific approvals M - Metric Mount Supplied Accessory : Model M081A61 Mounting Stud 1/4-28 to M6 X 1 (1)										
Environmental Overload Limit(Shock) Temperature Range Temperature Response	5000 g pk -65 to +250 °F See Graph	49,050 m/s ² pk -54 to +121 °C See Graph	[1]	NOTES: [1] Typical. [2] Conversion Factor 1g = 9.81 m/s ² . [3] The high frequency tolerance is accurate within ±10% of the specified frequency. [4] 1Hz = 60 cpm (cycles per minute). [5] Zero-based, least-squares, straight line method. [6] 1/4-28 has no equivalent in S.I. units. [7] See PCB Declaration of Conformance PS023 or PS061 for details.										
Electrical Settling Time(within 1% of bias) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Spectral Noise(10 Hz) Spectral Noise(100 Hz) Spectral Noise(1 kHz) Electrical Protection Electrical Isolation	≤ 30 sec 18 to 28 VDC 2 to 10 mA <100 Ohm 8 to 12 VDC 40 µin/sec/√Hz 7.0 µin/sec/√Hz 0.4 µin/sec/√Hz RFI/ESD >10 ⁸ Ohm	≤ 30 sec 18 to 28 VDC 2 to 10 mA <100 Ohm 8 to 12 VDC 1.12 µm/sec/√Hz 0.18 µm/sec/√Hz 0.01 µm/sec/√Hz RFI/ESD >10 ⁸ Ohm	[1] [1] [1] [1]	SUPPLIED ACCESSORIES: Model 081A40 Mounting Stud (1) Model ICS-8 NIST-traceable single-axis amplitude response calibration from 600 cpm (10Hz) to upper 10% frequency. (1)										
Physical Size (Hex x Height) Weight Mounting Thread Mounting Torque Sensing Element Sensing Geometry Housing Material Sealing Electrical Connector Electrical Connection Position	7/8 in x 2.06 in 3.3 oz 1/4-28 Female 2 to 5 ft-lb Ceramic Shear Stainless Steel Welded Hermetic 2-Pin MIL-C-5015 Top	22 mm x 52.3 mm 94 gm 1/4-28 Female 2.7 to 6.8 Nm Ceramic Shear Stainless Steel Welded Hermetic 2-Pin MIL-C-5015 Top	[6]	<table border="1"> <tr> <td data-bbox="1050 1196 1186 1226">Entered: LK</td> <td data-bbox="1190 1196 1327 1226">Engineer: GD</td> <td data-bbox="1331 1196 1467 1226">Sales: MC</td> <td data-bbox="1472 1196 1633 1226">Approved: BAM</td> <td data-bbox="1638 1196 1780 1226">Spec Number:</td> </tr> <tr> <td data-bbox="1050 1229 1186 1258">Date: 6/1/2018</td> <td data-bbox="1190 1229 1327 1258">Date: 6/1/2018</td> <td data-bbox="1331 1229 1467 1258">Date: 6/1/2018</td> <td data-bbox="1472 1229 1633 1258">Date: 6/1/2018</td> <td data-bbox="1638 1229 1780 1258">68937</td> </tr> </table>	Entered: LK	Engineer: GD	Sales: MC	Approved: BAM	Spec Number:	Date: 6/1/2018	Date: 6/1/2018	Date: 6/1/2018	Date: 6/1/2018	68937
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 [7]  	<p align="center">Typical Sensitivity Deviation vs Temperature</p> 			 IMI SENSORS A PCB PIEZOTRONICS DIV. 3425 Walden Avenue, Depew, NY 14043 Phone: 800-959-4464 Fax: 716-684-3823 E-Mail: imi@pcb.com										
<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>														