

Model Number 640B01	PLATINUM 4-20 MA VELOCITY TRANSMITTER			Revision: G ECN #: 56897																												
Performance Measurement Range Output Frequency Range(± 10 %) Broadband Resolution Non-Linearity Environmental Temperature Range Enclosure Rating Electrical Excitation Voltage Load Resistance Settling Time(within 2% of value) Electrical Isolation(Case) Physical Size (Hex x Height) Weight Mounting Thread Mounting Torque Sensing Element Sensing Geometry Housing Material Sealing Electrical Connector Electrical Connection Position Electrical Connections(Pin A) Electrical Connections(Pin B) ENGLISH 0.0 to 1 in/sec pk 4-20 mA 180 to 60,000 cpm 0.005 in/sec pk ± 1 % -40 to 185 °F IP68 12 to 30 VDC 50 (Vs-12) ohms < 15 sec > 10⁸ Ohm 1.0 in x 2.6 in 4.7 oz 1/4-28 UNF 3 to 5 ft-lb Ceramic Shear Stainless Steel Welded Hermetic 2-Pin MIL-C-5015 Top 4-20 mA Pos (+) 4-20 mA Neg (-) SI 0.0 to 25.4 mm/s pk 4-20 mA 3 to 1,000 Hz 0.13 mm/s pk ± 1 % -40 to 85 °C IP68 12 to 30 VDC 50 (Vs-12) ohms < 15 sec > 10⁸ Ohm 25.4 mm x 66 mm 131 gm No Metric Equivalent 4 to 7 Nm Ceramic Shear Stainless Steel Welded Hermetic 2-Pin MIL-C-5015 Top 4-20 mA Pos (+) 4-20 mA Neg (-) [1] [2][3] [4]					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 RV - Buffered Analog Signal Output - 100 mV/g (±20%) <table border="0"> <tr> <td>Electrical Connector</td> <td>3-Pin MIL-C-5015</td> <td>3-Pin MIL-C-5015</td> </tr> <tr> <td>Electrical Connections</td> <td>4-20 mA Neg/Signal Output</td> <td>4-20 mA Neg/Signal Output</td> </tr> <tr> <td></td> <td>Neg</td> <td>Neg</td> </tr> <tr> <td>Electrical Connections</td> <td>Signal Output Pos</td> <td>Signal Output Pos</td> </tr> </table> RVVO - Buffered Analog Signal Output - 100 mV/in/sec (±20%) <table border="0"> <tr> <td>Electrical Connections(Pin A)</td> <td>4-20 mA Pos (+)</td> <td>4-20 mA Pos (+)</td> </tr> <tr> <td>Electrical Connections(Pin B)</td> <td>4-20 mA Neg/Signal Output</td> <td>4-20 mA Neg/Signal Output</td> </tr> <tr> <td></td> <td>Neg</td> <td>Neg</td> </tr> <tr> <td>Electrical Connections(Pin C)</td> <td>Signal Output Pos</td> <td>Signal Output Pos</td> </tr> </table>				Electrical Connector	3-Pin MIL-C-5015	3-Pin MIL-C-5015	Electrical Connections	4-20 mA Neg/Signal Output	4-20 mA Neg/Signal Output		Neg	Neg	Electrical Connections	Signal Output Pos	Signal Output Pos	Electrical Connections(Pin A)	4-20 mA Pos (+)	4-20 mA Pos (+)	Electrical Connections(Pin B)	4-20 mA Neg/Signal Output	4-20 mA Neg/Signal Output		Neg	Neg	Electrical Connections(Pin C)	Signal Output Pos	Signal Output Pos
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NOTES: [1]Conversion Factor 1 in/sec = 0.0254 m/sec. [2]Current will fluctuate at frequencies below 5 Hz. [3]1Hz = 60 cpm (cycles per minute). [4]Typical. [5]See PCB Declaration of Conformance PS039 or PS053 for details. [6]See Model's "Instructions For Use" (IFU) for North American Conformity and Certification Statements.																																
SUPPLIED ACCESSORIES: Model 081A40 Mounting Stud (1) Model ICS-4 NIST-traceable single-axis amplitude response calibration from 0 cpm (0 Hz) to upper 10% frequency for 4 - 20 mA output vibration sensor (1)																																
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  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 Piezotronics, Inc.  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																																