

Model Number 640B07		Revision: NR ECN #: 34358	
LOOP POWERED, CURRENT OUTPUT, INDUSTRIAL VIBRATION SENSOR			
Performance Measurement Range Output Frequency Range(± 3 dB) Broadband Resolution Non-Linearity Environmental Temperature Range 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) (Pin B)		CE Ex SA[®] US [5] 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.	
ENGLISH 0.0 to 1 in/sec pk 4-20 mA 90 to 60,000 cpm 0.005 in/sec pk ± 1 % -40 to 185 °F 12 to 30 VDC 50 (Vs-12) ohm <30 sec >10 ⁸ 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 1.5 to 1000 Hz 0.13 mm/s pk ± 1 % -40 to 85 °C 12 to 30 VDC 50 (Vs-12) ohm <30 sec >10 ⁸ ohm 25.4 mm x 66 mm 131 gm No Metric Equivalent 4 to 7 N-m Ceramic Shear Stainless Steel Welded Hermetic 2-Pin MIL-C-5015 Top 4-20 mA Pos (+) 4-20 mA Neg (-)	
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 Hazardous Area Approval DIV II, CL I, GRPS A-D, ExnL, DIV II, CL I, GRPS A-D, ExnL, AExnA, IIC T4 EEx ia IIC T4, -40°C≤Tas80°C, EEx ia IIC T4, -40°C≤Tas80°C, II 1 G EEx nL IIC T4, -40°C≤Tas80°C, EEx nL IIC T4, -40°C≤Tas80°C, II 3 G DIV I, CL I, II, III, GRPS A-G, DIV I, CL I, II, III, GRPS A-G, Exia, AExia, IIC T4 M - Metric Mount Supplied Accessory : Model M081A61 Mounting Stud 1/4-28 to M6 X 1 (1) replaces Model 081A40		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.	
SUPPLIED ACCESSORIES: Model 081A40 Mounting Stud (1) Model ICS-6 NIST traceable single axis amplitude response calibration from 10 Hz to upper +/- 3dB point. (1)			
Entered: JB	Engineer: QDK	Sales: JJP	Approved: EB
Date: 11-4-10	Date: 11-4-10	Date: 11-4-10	Date: 11-4-10
			Spec Number: 48139
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			



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