

Model Number 682B05	BEARING FAULT DETECTOR			Revision: A ECN #: 40496					
Performance Input Signal Frequency Response(± 3 dB)(Overall Vibration) Frequency Response(± 3 dB)(Fault) Measurement Range(Vibration) Measurement Range(Velocity) Measurement Range(Fault Detector) Output Range Sampling Time(± 15 %) Span(± 5 %)	ENGLISH 100 mV/g 10 to 1k Hz 1k or 5k to 100 kHz 5/10/20 g 0.5/1/2 in/sec 50 g 4 to 20 mA 7 sec 16 mA	SI 10.2 mV/(m/s ²) 10 to 1k Hz 1k or 5k to 100 kHz 49.0/98.1/196.1 m/s ² 12.7/25.4/50.8 mm/sec 50 g 4 to 20 mA 7 sec 16 mA	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.						
Control Interface Power LED Environmental Warm Up Temperature Range(Operating) Temperature Range(Storage) Electrical Supply Voltage Current Consumption Excitation Voltage(± 1 V) Constant Current Excitation(± 1 mA) Raw Vibration Output Load Resistance Physical Size (Width x Height x Depth) Weight Housing Material Screw Terminal Wire Size Electrical Connector(input/output) Electrical Connector(Output, Vibration) Din Rail Mount	Green <2 minutes 32 to 158 °F -40 to 257 °F 20 to 28 VDC ≤ 150 mA 24 VDC 4 mA +/-0.01 % of Input 500 Ohm 0.9 in x 3.9 in x 4.5 in <5 oz Polyamide 24-14 AWG Removable Screw Terminals BNC Jack 1.38 in	Green <2 minutes 0 to 70 °C -40 to 125 °C 20 to 28 VDC ≤ 150 mA 24 VDC 4 mA +/-0.01 % of Input 500 Ohm 22.5 mm x 99 mm x 114.5 mm <142 gm Polyamide 0.2 - 2.5 mm ² Removable Screw Terminals BNC Jack 35 mm							
NOTES: [1] Internal Dip switch selectable [2] Acceleration mode. [3] Velocity mode. [4] Output current voltage will fluctuate at frequencies below 5 Hz. [5] See PCB Declaration of Conformance PS051 for details.									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Entered: AP</td> <td style="width: 20%;">Engineer: AG</td> <td style="width: 20%;">Sales: MMC</td> <td style="width: 20%;">Approved: JWH</td> <td style="width: 20%;">Spec Number:</td> </tr> </table>					Entered: AP	Engineer: AG	Sales: MMC	Approved: JWH	Spec Number:
Entered: AP	Engineer: AG	Sales: MMC	Approved: JWH	Spec Number:					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Date: 12/5/2012</td> <td style="width: 20%;">Date: 12/5/2012</td> <td style="width: 20%;">Date: 12/5/2012</td> <td style="width: 20%;">Date: 12/5/2012</td> <td style="width: 20%; text-align: center;">53379</td> </tr> </table>					Date: 12/5/2012	Date: 12/5/2012	Date: 12/5/2012	Date: 12/5/2012	53379
Date: 12/5/2012	Date: 12/5/2012	Date: 12/5/2012	Date: 12/5/2012	53379					
<table style="width: 100%;"> <tr> <td data-bbox="142 971 1119 1112" style="width: 50%; vertical-align: top;">  [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. </td> <td data-bbox="1119 971 1927 1112" style="width: 50%; vertical-align: top; text-align: right;">  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 </td> </tr> </table>					 [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.	 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			
 [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.	 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								