

Model Number 682B05		BEARING FAULT DETECTOR			Revision: B ECN #: 47113											
Performance		ENGLISH	SI	OPTIONAL VERSIONS												
Input Signal		100 mV/g	10.2 mV/(m/s²)	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.												
Frequency Response(± 3 dB)(Overall Vibration)		10 to 1k Hz	10 to 1k Hz													
Frequency Response(± 3 dB)(Fault)		1k or 5k to 100 kHz	1k or 5k to 100 kHz				[1]									
Measurement Range(Fault Detector)		50 g	50 g													
Measurement Range(Vibration)		5/10/20 g	49.0/98.1/196.1 m/s²				[2]									
Measurement Range(Velocity)		0.5/1/2 in/sec	12.7/25.4/50.8 mm/sec				[3]									
Output Range		4 to 20 mA	4 to 20 mA				[1][4]									
Sampling Time(± 15 %)		7 sec	7 sec													
Span(± 5 %)		16 mA	16 mA													
Control Interface							NOTES: [1] Internal Dip switch selectable [2] Acceleration mode. [3] Velocity mode. [4] Output current voltage will fluctuate at frequencies below 5 Hz.									
Power LED		Green	Green													
Environmental																
Warm Up		<2 minutes	<2 minutes													
Temperature Range(Operating)		32 to 158 °F	0 to 70 °C													
Temperature Range(Storage)		-40 to 257 °F	-40 to 125 °C													
Electrical																
Supply Voltage		20 to 28 VDC	20 to 28 VDC													
Current Consumption		≤ 150 mA	≤ 150 mA													
Excitation Voltage(± 1 V)		24 VDC	24 VDC													
Constant Current Excitation(± 1 mA)		4 mA	4 mA													
Raw Vibration Output		+/-0.01 % of Input	+/-0.01 % of Input	<table><tr><td>Entered: LK</td><td>Engineer: NJF</td><td>Sales: MC</td><td>Approved: NJF</td><td>Spec Number:</td></tr><tr><td>Date: 8/4/2017</td><td>Date: 8/4/2017</td><td>Date: 8/4/2017</td><td>Date: 8/4/2017</td><td>53379</td></tr></table>			Entered: LK	Engineer: NJF	Sales: MC	Approved: NJF	Spec Number:	Date: 8/4/2017	Date: 8/4/2017	Date: 8/4/2017	Date: 8/4/2017	53379
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Load Resistance		500 Ohm	500 Ohm													
Physical																
Size (Width x Height x Depth)		0.9 in x 3.9 in x 4.5 in	22.5 mm x 99 mm x 114.5 mm													
Weight		<5 oz	<142 gm													
Housing Material		Polyamide	Polyamide													
Screw Terminal Wire Size		24-14 AWG	0.2 - 2.5 mm²													
Electrical Connector(input/output)		Removable Screw Terminals	Removable Screw Terminals													
Electrical Connector(Output, Vibration)		BNC Jack	BNC Jack													
Din Rail Mount		1.38 in	35 mm													
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.																
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