


Model Number	ICP® VIBRATION TRANSMITTER			Revision: B										
682B03				ECN #: 47113										
Performance	ENGLISH	SI		OPTIONAL VERSIONS										
Channels	1	1		Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.										
Input Signal(Vibration)	± 100 mV/g	± 10.2 mV/(m/s ²)	[4]											
Input Signal(Temperature)	0 to 1.2 VDC	0 to 1.2 VDC	[5]											
Output Signal(DC Vibration)	4 to 20 mA	4 to 20 mA	[6]											
Output Signal(DC Vibration)	0 to 5 VDC	0 to 5 VDC	[3][7]											
Output Signal(DC Vibration)	0 to 10 VDC	0 to 10 VDC	[3][7]											
Output Signal(Temperature)	4 to 20 mA	4 to 20 mA	[5]											
Output Signal(± 0.01 %)(AC Vibration)	100 mV/g	10.2 mV/(m/s ²)	[8]											
Frequency Range(-3 dB)(Acceleration)	180 to 600,000 cpm	3 to 10k Hz	[9][10][11]											
Frequency Range(-3 dB)(Velocity)	210 to 600,000 cpm	3.5 to 10k Hz	[9][10][11]											
Frequency Range(-3 dB)(Displacement)	210 to 60,000 cpm	3.5 to 1000 Hz	[9][12][10]											
Output Range(DC Acceleration)	0 to 5.00 g pk or rms	0 to 49.03 m/s ² pk or rms	[3][13][4]											
Output Range(DC Acceleration)	0 to 10.00 g pk or rms	0 to 98.06 m/s ² pk or rms	[3][13][4]											
Output Range(DC Acceleration)	0 to 20.00 g pk or rms	0 to 196.12 m/s ² pk or rms	[3][13][4]											
Output Range(DC Velocity)	0 to 0.5 in/sec pk or rms	0 to 12.7 mm/s pk or rms	[3][13][4]											
Output Range(DC Velocity)	0 to 1.00 in/sec pk or rms	0 to 25.4 mm/s pk or rms	[3][13][4]											
Output Range(DC Velocity)	0 to 2.00 in/sec pk or rms	0 to 50.8 mm/s pk or rms	[3][13][4]											
Output Range(DC Displacement)	0 to 10.0 mil pk - pk	0 to 0.254 mm pk - pk	[3][13][4]											
Output Range(DC Displacement)	0 to 20.0 mil pk - pk	0 to 0.508 mm pk - pk	[3][13][4]											
Output Range(DC Displacement)	0 to 40.0 mil pk - pk	0 to 1.02 mm pk - pk	[3][13][4]											
Environmental														
Temperature Range(Operating)	32 to 158 °F	0 to 70 °C												
Temperature Range(Storage)	-40 to 257 °F	-40 to 125 °C												
Humidity Range(Non-Condensing)	0 to 95 %	0 to 95 %												
Electrical														
Power Required	DC Power	DC Power												
DC Power	23 to 25 VDC	23 to 25 VDC												
DC Power(maximum)	100 mA	100 mA												
Settling Time	<2 min	<2 min												
Excitation Voltage(delivered to sensor)	17 to 19 VDC	17 to 19 VDC	[1][2]											
Constant Current Excitation(delivered to sensor)	3 to 5 mA	3 to 5 mA	[1][2]											
Output Span(± 5.0 %)(DC Vibration Current Output)	16 mA	16 mA												
Output Span(± 5.0 %)(Temperature Output)	16 mA	16 mA												
Output Span(± 5.0 %)(DC Vibration Voltage Output)	5 or 10 VDC	5 or 10 VDC	[3]											
Physical														
Electrical Connector(input/output)	Removable Screw Terminals	Removable Screw Terminals												
Electrical Connector(raw vibration output)	BNC Jack	BNC Jack												
Housing Material	Polyamide	Polyamide												
Size (Height x Width x Depth)	3.9 in x 0.9 in x 4.5 in	99 mm x 22.5 mm x 114.5 mm												
Weight(Maximum)	6.4 oz	127												
Screw Terminal Wire Size	24-14 AWG	24-14 AWG												
Din Rail Mount	1.38 in	35 mm												
Status Indicator(Power "on")	Green LED	Green LED												
Status Indicator(Input Fault)	Red LED	Red LED												
Status Indicator(Measurement Mode - Acceleration)	Green LED	Green LED												
Status Indicator(Measurement Mode - Velocity)	Green LED	Green LED												
Status Indicator(Measurement Mode - Displacement)	Green LED	Green LED												
<i>All specifications are at room temperature unless otherwise specified.</i>														
<i>In the interest of constant product improvement, we reserve the right to change specifications without notice.</i>														
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<table border="1"> <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>40536</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	40536
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