

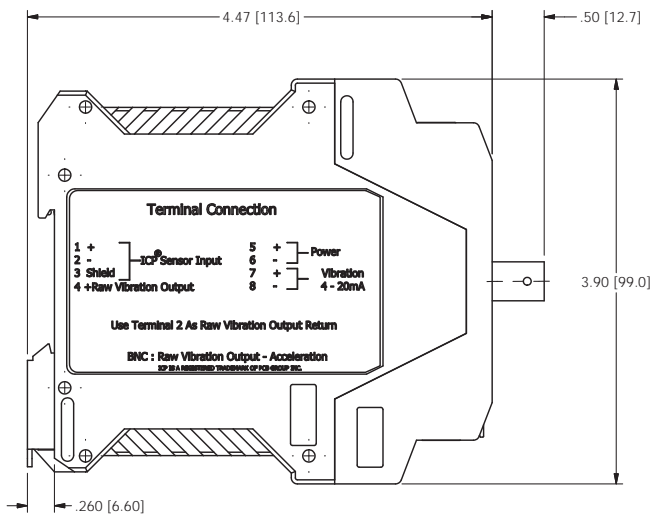


DIN RAIL MOUNT VIBRATION TRANSMITTERS

LOW-COST VIBRATION TRANSMITTER



- Converts AC voltage signal to 4-20 mA current output for direct input into PLC/DCS/SCADA
- Provides Excitation Power for ICP® Accelerometers
- Integrates acceleration input to velocity



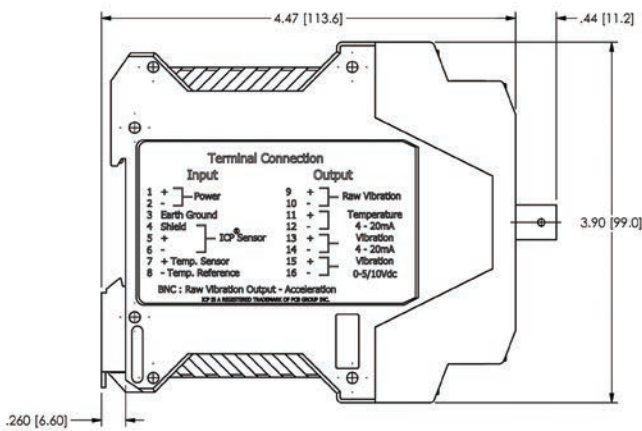
MODELS 682A14 & 682A15

SPECIFICATIONS		
Model Number	682A14	682A15
Performance		
Channels	1	
Input Signal (Vibration)	100 mV/g 10.2 mV/(m/s ²)	
Output Signal(DC Vibration)	4 to 20 mA	
Output Signal(AC Vibration)	100 mV/g 10.2 mV/(m/s ²)	
Frequency Range(- 3 dB) (Velocity)	3.5 to 10,000 Hz	
Output Range(DC Velocity)	0 to 1.00 in/sec pk 0 to 25.4 mm/s pk	0 to 1.00 in/sec pk RMS 0 to 25.4 mm/s pk RMS
Environmental		
Temperature Range (Operating)	-13 to 158 °F -25 to 70 °C	
Temperature Range (Storage)	-40 to 257 °F -40 to 125 °C	
Humidity Range (Non-Condensing)	0 to 95 %	
Electrical		
DC Power	23 to 25 VDC	
DC Power (Maximum)	100 mA	
Settling Time	< 2 min	
Excitation Voltage (Delivered to Sensor)	19 to 21 VDC	
Constant Current Excitation (Delivered to Sensor)	3 to 5 mA	
Output Span (± 5.0 %) (DC Vibration Current Output)	16 mA	
Physical		
Housing Material	Polyamide	
Status Indicator (Power "On")	Green LED	
Status Indicator (Input Fault)	Red LED	
Electrical Connector (Input/Output)	Removable Screw Terminals	
Screw Terminal Wire Size	24-14 AWG	
Electrical Connector (Raw Vibration Output)	BNC Jack	
Din Rail Mount	1.38 in 35 mm	
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 g	

CONFIGURABLE VIBRATION TRANSMITTER

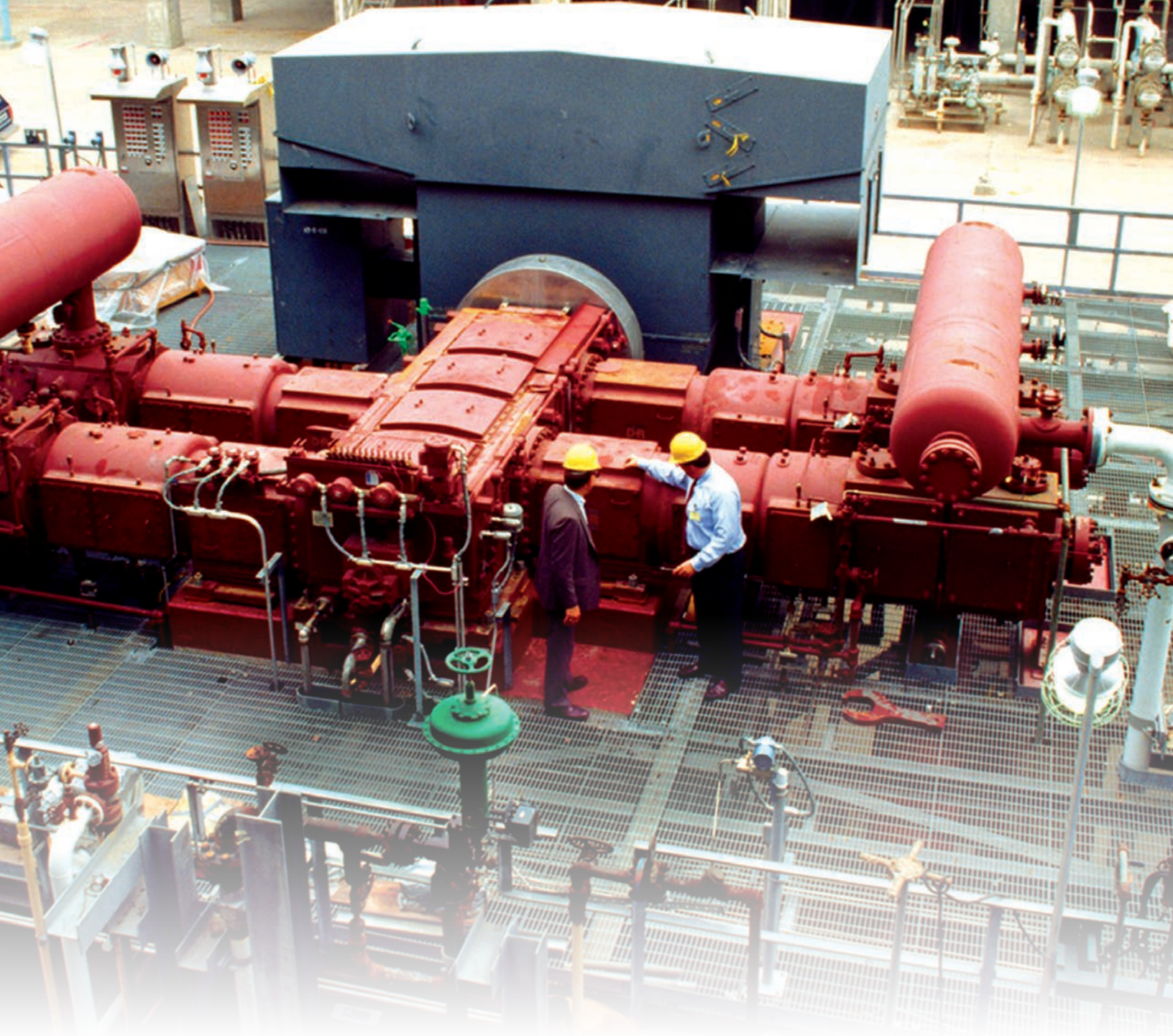


- Plug-in filter modules allow field-adjustment of frequency range
- Fifteen measurement range vibration options to fine tune product to application requirements
- Accepts vibration and temperature inputs for pairing with accelerometers with simultaneous vibration/temperature outputs



MODEL 682C03

SPECIFICATIONS	
Model Number	682C03
Performance	
Channels	1
Input Signal (Vibration)	±100 mV/g ±10.2 mV/(m/s ²)
Input Signal (Temperature)	0 to 1.2 VDC
Frequency Range (-3 dB) (Acceleration)	3 to 10,000 Hz
Frequency Range (-3 dB) (Velocity)	3.5 to 10,000 Hz
Frequency Range (-3 dB) (Displacement)	3.5 to 1,000 Hz
Output Signal (DC Vibration and Temperature)	4 to 20 mA
Output Signal (DC Vibration)	0 to 10 VDC
Output Signal (±0.01 %) (AC Vibration)	100 mV/g 10.2 mV/(m/s ²)
Output Range (DC Acceleration)	0 to 5.00 g pk or rms 0 to 49.03 m/s ² pk or rms
Output Range (DC Acceleration)	0 to 10.00 g pk or rms 0 to 98.06 m/s ² pk or rms
Output Range (DC Acceleration)	0 to 20.00 g pk or rms 0 to 196.12 m/s ² pk or rms
Output Range (DC Velocity)	0 to 0.5 in/sec pk or rms 0 to 12.7 mm/s pk or rms
Output Range (DC Velocity)	0 to 1.00 in/sec pk or rms 0 to 25.4 mm/s pk or rms
Output Range (DC Velocity)	0 to 2.00 in/sec pk or rms 0 to 50.8 mm/s pk or rms
Output Range (DC Displacement)	0 to 10.0 mil pk - pk 0 to 0.254 mm pk - pk
Output Range (DC Displacement)	0 to 20.0 mil pk - pk 0 to 0.508 mm pk - pk
Output Range (DC Displacement)	0 to 40.0 mil pk - pk 0 to 1.02 mm pk - pk
Environmental	
Temperature Range (Operating)	-13 to 158 °F -25 to 70 °C
Electrical	
DC Power	23 to 25 VDC
DC Power (Maximum)	100 mA
Settling Time	< 2 min
Excitation Voltage (Delivered to Sensor)	17 to 19 VDC
Constant Current Excitation (Delivered to Sensor)	3 to 5 mA
Output Span (±5.0 %) (DC Vibration and Temperature Current Output)	16 mA
Output Span (±5.0 %) (DC Vibration Voltage Output)	5 or 10 VDC
Physical	
Housing Material	Polyamide
Status Indicator (Power "On")	Green LED
Status Indicator (Input Fault)	Red LED
Status Indicator (Measurement Mode)	Green LED
Electrical Connector (Input/Output)	Removable Screw Terminals
Screw Terminal Wire Size	24-14 AWG
Electrical Connector (AC Vibration)	BNC Jack
Din Rail Mount	1.38 in 35 mm
Size (H x W x D)	3.9 x 0.9 x 4.5 in 99.0 x 22.5 x 114.5 mm
Weight	6.4 oz 127.0 g



3425 Walden Avenue, Depew, NY 14043 USA

pcb.com/imi-sensors | imi@pcb.com | 800 959 4464 | +1 716 684 0003

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