Smart Vibration Monitor 4 channel & 8 channel
Online/Fixed Vibration Monitoring

Features:
- 4 accelerometer channel & 8 accelerometer channel versions
- 24VDC (relay drive) switched output for each channel (warning/critical, g or velocity)
- 4 to 20mA output for each channel (g or velocity)
- Temperature input
- Tacho Input
- USB or Ethernet connection to Smart Vibration Monitor PC software and optional Vibration Analysis software

Advantages:
- Extremely cost effective – lowest cost/channel industrial vibration monitor/analyzer
- Very easy to set up using Smart Vibration Monitor PC software
- 24/7 monitoring of critical plant operations

Benefits:
Single low-cost unit monitors plant with local alarms and connects to optional C-Trend II high functionality PC analysis software.

The Smart Vibration Monitor-04 and Smart Vibration Monitor-08 are the new generation of low price-high performance installed vibration analyzers from TPI. With up to 8 accelerometer inputs, 8 digital outputs, 8 analog outputs, temperature and tacho inputs as well as USB and Ethernet connectivity the Smart Vibration Monitor-04 and Smart Vibration Monitor-08 modules offer unrivalled price/per channel performance. The analyzers can be used in several different ways:
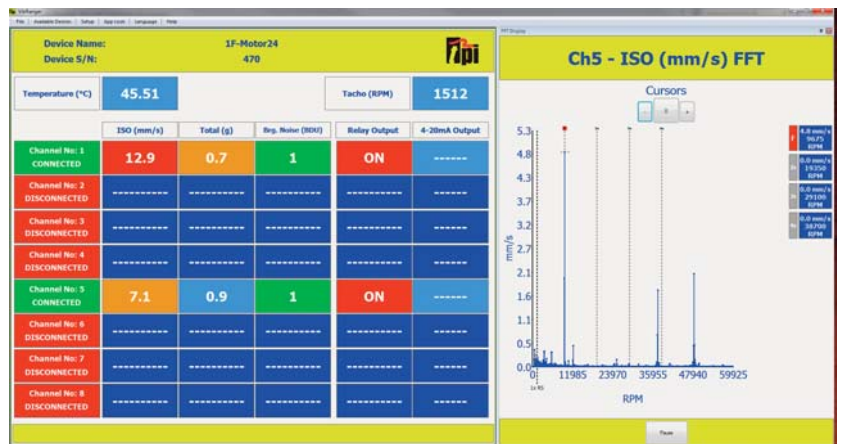
- **Standalone Operation** – Connect up to 8 accelerometers and up to 8 relays and instantaneously monitor and alarm on-key vibration points. Using the included Smart Vibration Monitor PC software the alarms can each independently be set to trigger on/either a velocity level or a g level. If a tacho is connected, a speed range can be set so as not to activate during machine start-up or shut-down.

- **Legacy Systems Operation** – for each connected accelerometer, the Smart Vibration Monitor units can also output levels of vibration (g or velocity) as 4 to 20mA signals for connection to existing monitoring systems such as PLCs, etc.
- **PC Operation** – If a laptop/PC is connected via a USB or Ethernet, up to 64 modules can be monitored and the vibration levels displayed on screen. With the PC connected more detailed vibration analysis can be carried out with optional C-Trend II software.
- **C-Trend II** – By purchasing optional C-Trend II software it's possible to view and analyze the long term trend of all readings as well as being able to see FFT's of all logged data.

The Smart Vibration Monitor-04 and Smart Vibration Monitor-08 modules are supplied to work in any, or all, modes right out of the box so it truly is a system that will grow with your requirements.

The Smart Vibration Monitor modules are perfect for extremely cost-effective monitoring of critical plants operations and when used in conjunction with the TPI 9070, 9080 and 9041, vibration analyzers provide the complete CBM solution.

Test Products International, Inc

Smart Vibration Monitor 4 channel & 8 channel
Online/Fixed Vibration Monitoring

	Smart Vibation 4 channel			Smart Vibation 8 channel
Measurement				
IEPE Accelerometer Input Channels	4			8
Accelerometer Sampling Frequency		25.6kHz		
4-20mA Output Channels	4			8
24VDC Digital Outputs	4			8
24VDC Dig. Output Current Max		100mA		
Digital Output Alarm		Acceleration or Velocity (Channel Selectable)		
Tachometer Input		1 (0V to any voltage upto +24VDC)		
Frequency Dependent Alarms		Yes (using Tachometer)		
Temperature Input		1 (Typically 10mV/°C)		
PC Connection		USB		
Internet Connection		Ethernet		
PC Software				
Vibration Alarms	4	Vibration		8
Temperature Alarm	1	Temperature		1
Alarm Choice		Acceleration AND/OR Velocity (channel selectable)		
FFT		Up to 12,800 lines		
Time Waveform		Yes, with optional C-Trend II Software		
Electrical				
Supply Voltage		USB or 24VDC		
Supply Current		500mA		
Mechanical				
Environmental		IP50		
Operating Temperature °C		0-55°C (32-151°F)		
Storage Temperature °C		0-55°C (32-151°F)		
Mounting		DIN Rail		
Part Number	9034			9038

Test Products International World Wide Locations

Test the TPI Advantage