Smart Vibration Monitor 9034 & 9038
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 for connection to Smart Vibration Monitor PC software
- Ethernet socket for connection to Online Vibration analysis software

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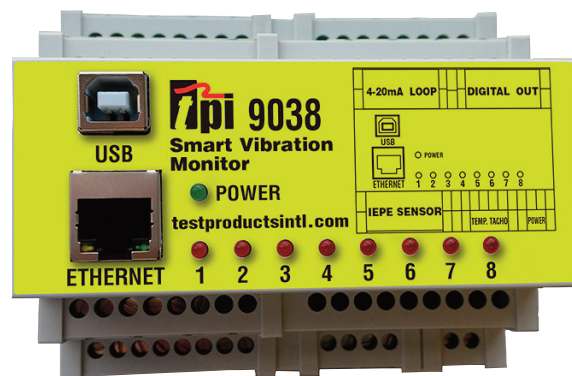- 24/7 monitoring of critical plant operations

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 9034 and Smart Vibration Monitor 9038 are the new generation of low price-high performance installed vibration analysers from TPI. With up to 8 accelerometer inputs, 8 digital outputs, 8 analogue outputs, temperature and tacho inputs as well as USB and Ethernet connectivity the Smart Vibration Monitor 9034 and Smart Vibration Monitor 9038 modules offer unrivalled price/per channel performance. The analysers can be used in several different ways:
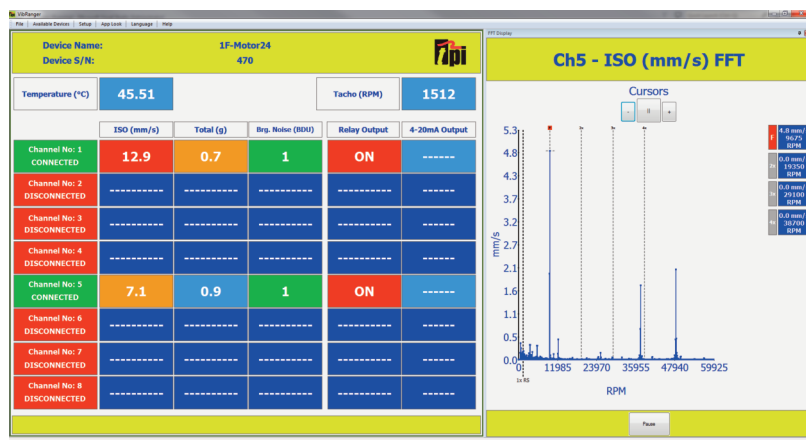
- **Standalone Operation** – Connect up to 8 accelerometers and up to 8 relays and instantaneously monitor and alarm on-key vibration points. Using the included Smart Vibration Monitor PC software the alarms can each independently be set to trigger on/either a velocity level or a g level. If a tacho 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.

The Smart Vibration Monitor 9034 and Smart Vibration Monitor 9038 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.

- **PC Operation** – If a laptop/PC is connected via a USB cable, 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 analyse the long term trend of all readings as well as being able to see FFT's of all logged data.

- **Online Cloud Operation** – by subscribing to TPI's Data Decypher cloud-based service all installed modules can be monitored and analysed from a single web-based interface. Just log on via your standard internet browser and all modules can be viewed and configured. Furthermore, detailed reporting is just a click away, as is automatic alarm notification via email.

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 analysers provide the complete CBM solution.

Test Products International, Inc
www.tpieurope.com

Online/Fixed Vibration Monitoring

	Smart Vibration Monitor 9034		Smart Vibration Monitor 9038
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/Cloud Connection		Ethernet	
PC Software			
Vibration Alarms	4	Vibration	8
Temperature Alarm	1	Temperature	1
Alarm Choice		Acceleration AND/OR Velocity (channel selectable)	
FFT		800 lines as Standard / Up to 51,200 lines option	
Time Waveform		Yes (C-Trend II)	
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

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Test the TPI Advantage