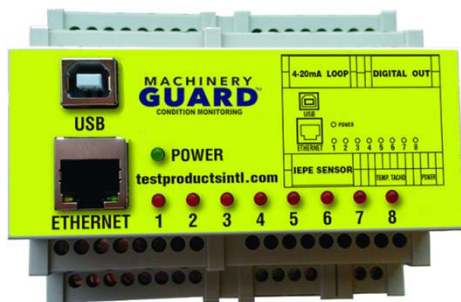


MACHINERY GUARD™

CONDITION MONITORING

What is Machinery Guard?

The Machinery Guard is a new generation of condition based monitoring systems, which offers 4 or 8 accelerometer inputs, 4 or 8 digital outputs, 4 or 8 analog outputs. In addition, each system offers a temperature and tachometer input, along with USB and Ethernet communication. We also offer the system turn-key with a NEMA 4 enclosure, power supply and sensors for plug & play convenience in the field.



Features

- Turn-Key solution provides a NEMA 4 enclosure, sensors, internal power supply and is plug & play.
- 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
- Tachometer Input
- USB for connection to Smart Vibration Monitor PC software
- Ethernet socket for connection to Online Vibration analysis C-Trend II Software 30xx Monitoring software



Alignment Supplies, Inc.
1681 Lance Pointe Road / Suite 2
Maumee, OH 43537
Office: 419-887-5890
Fax: 419-887-5893
info@alignmentsupplies.com

Specifications			
	4 Channel System		8 Channel System
Measurement			
IEPE Accelerometer Input Channels	4		8
Accelerometer Sampling Frequency		2Hz - 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		Up to 51,200 lines	
Time Waveform		Yes	
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	

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