

Accuguard

Condition monitoring and protection system

Introducing Accuguard:

Introducing Accuguard, a cost effective solution for continuous monitoring of vibration, temperature and bearing conditions of a rotating machine.

Accuguard can be programmed to automatically shut down the machine should monitored parameters rise to dangerous levels. The colorful 2.8" display shows real time information such as bar charts and LED indicators. View historical trending charts or event recordings with a push of a button. Accuguard can be used as a signal transmitter providing 4-20mA outputs of monitored parameters for further applications.

Accuguard acquires both vibration and temperature signals at the same time with specialized dual output sensors** for comprehensive monitoring of your machine.

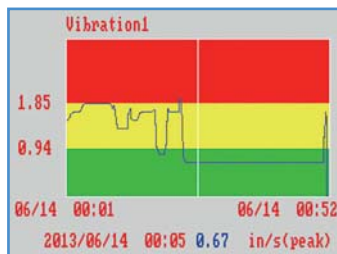
(** IEPE type accelerometers with temperature signal output)

Parameters monitored:

Safely monitor simultaneously up to six parameters for accurate protection: 2 vibration levels, 2 temperature and 2 bearing conditions. The measured levels of these 6 parameters are then displayed and can be converted to 4-20mA output signals for connection to your machine or instrument for further applications.

Programmable logic and relay outputs:

Each Accuguard system provides 4 relay outputs, which are controlled by user selectable programmable logic. Simply select what condition(s) you want alarm levels to be set to from a menu list, and Accuguard will be set and ready to protect your investment.



Setup/Relay Outputs			
Relay1	Any one alarm	None	
Relay2	Any two alarm	None	
Relay3	Temp. 1 alarm	And	Brg 1 alarm
Relay4	Vib 2 alarm	Or	Temp. 1 alarm
Delay	5	Seconds	
<input type="button" value="Save & Exit"/> <input type="button" value="Cancel"/>			



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PC interface / Setup:

Setting the measurement parameters of Accuguard is easy with the built-in keypad or by downloading directly from your computer via the USB port. Also, the user can upload the stored trending data or event recordings to a PC for further analysis.

Model name	Vibration	Bearing condition	Temperature
Accuguard-6TA	2	2	2
Accuguard-4A	2	2	0
Accuguard-2A	2	0	0

Specifications:

Input channels	IEPE type accelerometer x 2 Temperature sensor x 2
Monitored parameters	Vibration x 2, Bearing condition x 2, Temperature x 2 (optional)
Vibration measurement	Velocity, 5~1k Hz band passed (±5%)
Bearing condition	Acceleration, 1k~10k Hz band passed (±5%)
Temperature	DC signal (±5%)
Measurement range	
Vibration measurement	0~50 mm/s peak (0~1.97 in/s peak)
Bearing condition	0.05~50 g true peak or RMS detection
Temperature	2°~120° C (36° F~248° F)
Relay output	Programmable relay output x 4, 3A 250VAC or 3A 30VDC
Analog output	4-20 mA output x 6
Buffered Raw signal output	BNC connector x 2 channels
PC Interface	USB connection
Display	2.8 inch, 320 x 240 color LCD with backlight
Display type	Bar chart, trend chart, event records and setup
Data Logger	500 points for each measurement, time and date
Logger interval	Programmable normal span and alarm span
Power supply	DC 24V
Alarm levels & LED indicators	Normal/ Alarm 1/ Alarm 2 (green/ orange/ red LED for each monitored parameter)
Alarm delay	0~600 seconds programmable
Operating Temperature	0°~60° C
IEPE Sensor bias indicator	Normal/ short/ open (green/ orange/ red LED)
Accelerometer sensitivity	100mV/g ±30%
Temperature sensor sensitivity	10mV/°C ±30%
Dimension	200 x 180 x 115mm (7.87 x 7.08 x 4.53 inch)
Weight	1Kg (1.32lb)



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