VM102 Vibration monitor

The DVE Technologies VM102 sensor is an intelligent 2-axis sensor with built-in digital signal analysis, providing advanced vibration monitoring possibilities at low costs.

The VM102 provides real-time, automatic and accurate vibration monitoring of the mechanical structure of wind turbines. The VM102 improves the overall system safety by monitoring the structural vibrations triggering a shut down to prevent catastrophic damage.

The sensor has 2 monitoring channels, each are independently configurable regarding direction, frequency band, amplitude, and response time. Alarms are signaled via a solid state relay switch. The vibration monitoring channels are optimized to provide the fastest possible response time.

The VM102 sensor is designed to work with standard RPM sensors to enable speed dependent sensitivity and over speed shut down. In addition the sensor can operate in stand alone operation or in conjunction with the DVE Technologies AR-Control systems.

The VM102 sensor is competitively priced, is extremely reliable and simple to install.

Features

- Fully solid state design – improved reliability compared to mechanical switching methods
- User configurable electronic filter to help reduce sensitivity to mechanical resonance
- Stand alone operation or used in conjunction with DVE Technologies control system
- Uses advanced FFT and digital filtering techniques to improve versatility and applicability
- 2 user configurable monitoring channels
- Works in connection with standard RPM sensor
- Alarm events are stored internally in non-volatile memory
- Competitively priced

Intelligent wind turbine control

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