MONITEX®

MONITEX® Vibration Monitor

Vibration Monitor

This Vibration Monitor consists of telemetry field instruments and sensors, which once installed on site, will continuously record accurate vibration measurements.

This unit consists of telemetry field instruments and sensors packaged with our cloud-based platform, which gives you all you need to manage real-time vibration data online.

The system is designed for maximum ease-of-use – even in harsh outdoor conditions. Deploy your instruments and just press one button to start or stop measurement. The field equipment has a battery life of up to 5 months!



Key Applications

- Wherever vibrations need ongoing monitoring

Features & Benefits

- An industry leading 5 month battery life - less site visits GPRS modem enables remote control of monitors
- Online access and analysis
- Automatic alerts via text & email
- Cloud-based online platform - no software
- Samples vibration data according to a variety of standards.
- Easy to use – one button to start/ stop measuring
- U p to 160 seconds continuous waveform length with 10 seconds pre-trigger C ontrols field instruments remotely via the internet
- I mprove collaboration by sharing data and reports with your stakeholder

Request Price

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Data Acquisition

Channels

- Four independent user defined channels with individual filter and sensor configuration

Triggered Recording

- Synchronized waveform recording on all active channels
- Periodic Recording
- Continuous recording of peak values with configurable time interval

Environment Recording

- Periodic recording of temperature and battery voltage

Trigger Level

- Configurable within entire vibration measurement range

Waveform Length

- Configurable up to 60 seconds

Pretrigger

- Configurable up to 10 seconds

Consecutive Triggering

- Up to three consecutive trigged events with continuous recording without dead time

Storage

- Waveforms: 255 waveforms
- **Periodic Vibration Measurements: 4000 periodic measurement** records (all active channels)
- **Triggered Vibration Measurements: 1000 triggered** measurement records (all active channels)

Physical Specifications	
Dimensions	302 x 247 x 125 mm
Weight	3.9 kg including batteries
Power Supply	Batteries - 6 x LR20 (D cells)
Battery Runtime	Up to 150 days depending on configuration, temperature and communication patterns
External Power	AC/DC adapter
Communication	Ethernet 10/100 Mbit, RJ45 port GSM/GPRS Dual band 900/1800 MHz, Power Class 4 (2W)@900 MHz, Power Class 1 (1W)@1800 MHz, GPRS Class 10, Coding scheme 1 to 4, Internal antenna

Vibration Sensors	
Sensor Interface	Analog sensor interface, 4 TNC ports
Selftest	Automatic self test for geophone sensor
Supported Sensors	Geophone (horisontal, vertical, and tri-axial), 0-250mm/s (0-10 mm/s RMS for comfort measurements) Accelerometer 0-40 m/s2 Airblast Microphone, 10-1000 Pa

User Interface

Remote configuration and data analysis using a cloud-based platform. Simple MMI with push buttons and LED indicators

Operating Environment

Temperature: -20 °C to +50 °C

Relative Humidity: 10% to 90%

Air Pressure: 86 kPa to 108 kPa



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Examples of the Vibration Monitor on site.

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