



MONITEX OD-AA Vibration Monitor

This is an all-in-one total solution for the monitoring and reporting of vibration levels. The unit performs high quality vibration measurements and sends the measurement data wirelessly to its web platform.

Thoroughly monitoring vibrations begins with the right vibration analysis equipment. Your core analysis tool is a high quality and highly sensitive construction vibration sensor or monitor. Vibration monitors detect three parameters that represent motion: acceleration, displacement and velocity. The unit can be powered by mains or battery with solar power and PoE available as extras. The batteries are designed for continuous charging allowing you to run on mains power with battery back-up.

The installation of the vibration monitor is remarkably quick and easy. Even without prior knowledge, you can install the monitor within ten minutes. After the installation, your next step is to add the measuring points to the web platform. Once installed, our friendly CST will set up web access and monitoring parameters with alerts and access to your data via your phone or computer anywhere in the world.

Features & Benefits

- ✓ Quick and easy installation with automatic alignment of movement axes
- ✓ Automatic alarms and reports
- ✓ Compact, lightweight and IP65 rated

Key Applications

- ✓ Designed for continuous real-time monitoring of structural vibration





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Vibration Monitoring System

GPS Location

Dimensions	109 x 130 x 45mm
Weight	260 gr
Storage	1 work week storage of log records

Technical information - Data Acquisition

Direction	X, Y, Z
Range frequency	0.5 - 250 Hz
Range velocity	0.0 - 50.0 mm/s
Measurements	PPV, PPA, PVS, Vrms, Velocity traces

GPS Location

Sensor type	GPS receiver
Accuracy	10 meter CEP

Sensor Tilt

Maximum velocity level	50 mm/s
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Logging Interval Time

Range	0.1 - 50mm/s
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Mounting in every angle is possible with automatic axis alignment



PoE adapter

The PoE adapter provides the monitor with both Ethernet and power, using one cable. When using the PoE adapter you can install your monitor in places with no 3G / 4G / LTE or WiFi connection, or in places where you cannot use an the Battery.

The PoE adapter is the ideal product for monitoring at for example very remote areas or underground in a basement or tunnel.



Vibration Monitor - List of Parts

The monitor comes as standard with the following items:

- A. Swarm Monitor
- B. 2x battery
- C. Power cable for battery
- D. Power adapter between battery and monitor
- E. USB connector & plug
- F. Base plate with screw
- G. Allen key for tightening screw
- H. Padlock & keys
- I. Carry case





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Battery

Battery information	
Dimensions	206 x 113 x 86 mm
Weight	Approx. 2 kg
Maximum current	8 A
Optimal charge temperature	-10° to 40° Celcius
Certifications	UN 38.8 / MSDS / CE
Ingress Ingress protection rate:	IP 65 (protection from dust and water jetting)
Electronics protection	Temperature / over(dis)charge / shortcircuit
Life time	>400 charge cycles
Battery average life span	4-6 weeks dependent on usage





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Examples of Monitex OD-AA Vibration Monitor on Site



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