



### 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 measure acceleration and uses a calculation to transform it into velocity (mm/s). This unit can be powered by mains or battery with solar power. 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. Once installed, our friendly Customer Service Team 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 data upload
- ✓ Compact, lightweight and IP65 rated \* (with all ports sealed)

#### Key Applications

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



[Request Price](#)



## MONITEX® OD-AA Vibration Monitor

Technical Specifications	
<b>Data Acquisition</b>	
Direction	X, Y, Z
Frequency range	0.5 - 250 Hz
Velocity range	±50.0 mm/s (±2 in/s)
Acceleration range	±4 g
Measurements	PPV, PPA, PVS, VDV, Veff (max), Vper, KBFmax, KBFTm, Velocity traces
Noise (RMS)	25 um/s at 250 Hz BW (1 mil/s)
Resolution	0.5 um/s (0.02 mil/s)
Dominant frequency determination	FFT
Applications	Construction (metric/ imperial)
<b>GPS Location</b>	
Sensor type	GPS receiver
Accuracy	10 meter CEP (33 ft CEP)
<b>Sensor Tilt</b>	
Maximum velocity level	50 mm/s (2 in/s)
<b>Logging Interval Time</b>	
Range	2 - 6000 seconds
<b>Alarm Trigger Level</b>	
Range (PPV)	0.1 - 50 mm/s (0.004 - 2 in/s)

Technical Specifications	
<b>Communication</b>	
Network	4G/LTE
<b>Internal Memory</b>	
Storage	~ 1 work week storage of log records
<b>Ambient Condition</b>	
Ingress protection rating	IP65
Operating temperature range	-10°C to 70°C (14°F to 158°F)
Storage temperature range	-30°C to 90°C (-22°F to 194°F)
<b>Power source</b>	
Power source	External
Minimal power source	5V USB power (min. 4.5V, max 5.5V), min. 1A (5W)





## Vibration Monitor - List of Parts

The monitor comes as standard with the following items:

- A. Swarm Monitor
- B. 2x battery
- C. Battery charging lead
- D. Power adapter between battery and monitor
- E. Base plate with screw
- F. Allen key for tightening screw
- G. Carry case
- H. Spiked bolts



## Battery

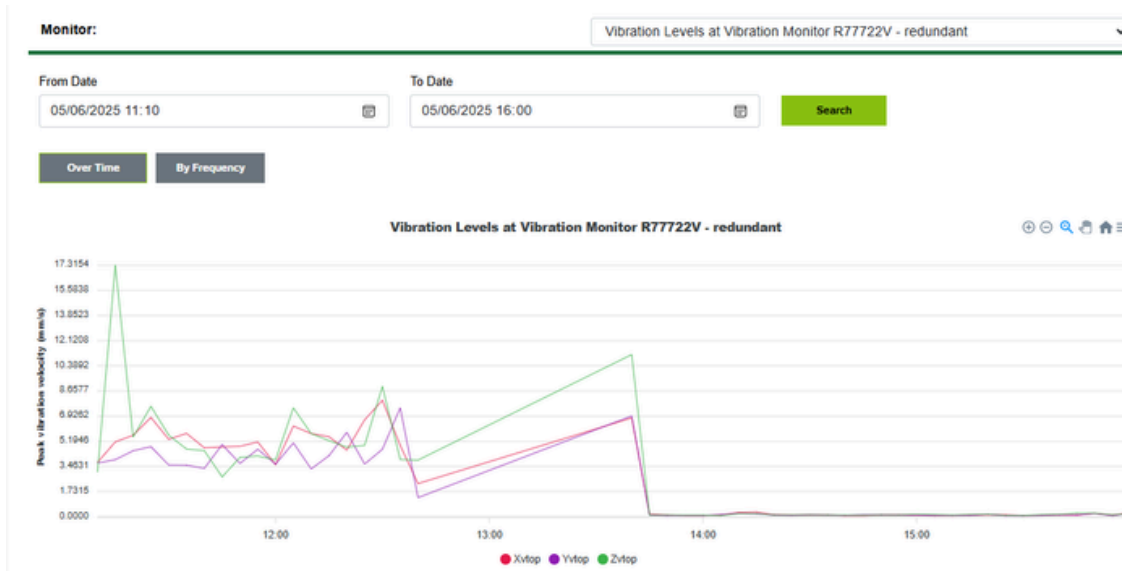
Battery Information	
Dimensions	206 x 113 x 86 mm
Weight	Approx. 2 kg
Maximum current	10 A
Optimal charge temperature	-10° to 40° Celcius
Certifications	UN 38.8 / MSDS / CE
Ingress protection rate (with all ports sealed):	IP 65 (protection from dust and water jetting)
Electronics protection	Temperature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



## MONITEX® OD-AA Vibration Monitor

### Online Platform

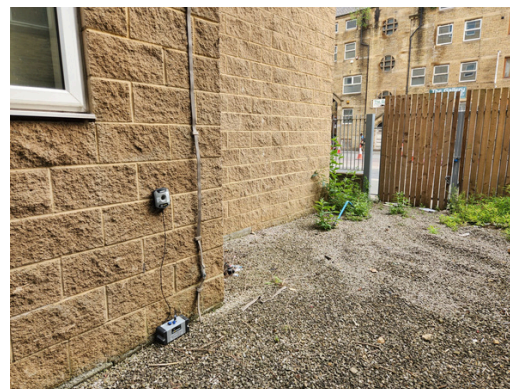
The program opens in your browser so there is no software to install or update. Data recording software allows you to remotely access data on any device. You are given a unique login at point of order to access all you require for the monitors on your site. View and export data, graphs, maps and much more, giving you as the user ultimate coverage to care for your workers and others.





# MONITEX®

Examples of MONITEX® OD-AA Vibration Monitor on Site (supplied with weatherproof enclosure for added protection).



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Aylesford  
Kent  
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