

ORION Smart Vibration Monitoring Terminal

Always keep an eye on vibrations







With ORION monitor vibrations differently

ORION offers an unparalleled, all-in-one vibration monitoring system with integrated sensor, 3G modem, Wi-Fi and GPS. It is robust, waterproof, easy to configure and use, and features seven measurement channels and smart integration of vibration standards.



EASY TO INSTALL

Spirit level

Can be mounted horizontally or vertically Automatic start-up of measurements 3G modem

Wi-Fi

Ethernet

GPS

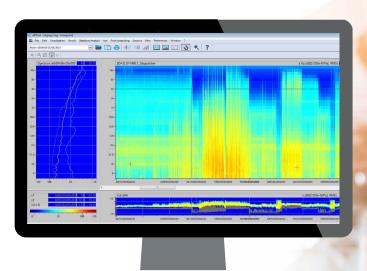
Advanced Push mode

HTTP commands for integrators

With a view to improving productivity in the field, 01dB offers a comprehensive, coherent and metrologically flawless acoustic and vibration monitoring solution.

With dBTrait analyse your data as an expert

Measurement data collected using **ORION** can be analysed using **dBTrait** software. Used by thousands of consultants around the world, this software is the industry standard and offers all the features required to maximise noise and vibration data.



- · Display of acoustic, vibration and meteorological data
- FTT analysis of recorded signals
- Comparison between different channels
- Sonogram
- PPV/Dominant frequency graph
- · Multi-spectrum display
- Reporting including compliance with vibration standards.

In a class of its own





With 01dB WebMonitoring management of monitoring is made easy

Like DUO and CUBE, ORION interfaces with 01dB WebMonitoring online services to simplify monitoring and project management.

- Data storage and security
- Web interface
- · Display of acoustic, vibration and meteorological data
- Real-time and offline modes
- Information displayed on an interactive base map
- Various configurable graphs
- Management of alarms activity
- Monitoring of SoH (State of Health) of the terminals
- Manual and automatic reports.



01dB WebMonitoring

01dB WebMonitoring is cost-effective, reliable and versatile, freeing users from technical constraints and enabling them

to focus on data analysis.



private

website

Public or Display

of data



Automatic reports



management





CUBE is the most versatile noise monitoring terminal on the market. It can be protected in a case or mounted in a cabinet and is compatible with the **01dB WebMonitoring** range or can be easily integrated with other applications.



FUSION is the first hyper-connected sound-level meter that allows you to envisage new working methods. It offers a simple solution to test conformity to construction, environmental, health and safety requirements.



DUO is completely modular and offers users a wide range of options to switch from sound-level meters to monitoring stations without needing to change equipment.



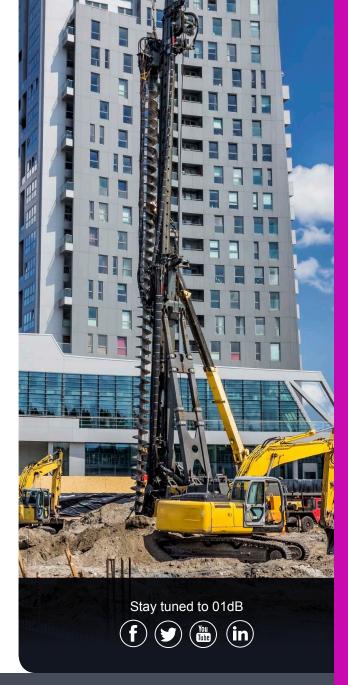
01dB products interface with weather stations. Meteorological data is stored and transmitted in the same way as noise and vibration data.



dBTrait is the high-performance software program for post-processing of noise, vibration and meteorological data acquired using all **01dB** instruments.



01dB WebMonitoring is a simple and effective cloudbased solution for the management of noise and vibration monitoring projects. It features data storage; data security; online display of measurements via a website; and alarms management.



About ACOEM Group

Reduce your environmental impact

In today's fast-moving world, the environment is increasingly impacted. The ACOEM Group is committed to sustainable development and helping companies and public authorities limit their environmental impact by offering products and services that:

- · Prevent and control air, noise and vibration pollution
- Increase the productivity and reliability of industrial machinery
- Contribute to the development of effective, robust & noiseless products
- Protect soldiers, sites and vehicles in military operations.

Across the world, ACOEM's 670 employees innovate in the measurement, analysis and control of all environmental parameters through the 01dB, ECOTECH, ONEPROD, FIXTURLASER, MEAX and METRAVIB brands.

For more information visit acoemgroup.com

