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CUBE Smart Noise Monitoring Terminal

Designed for monitoring

01dB.com



ACOEM Group

CUBE

Smart Noise Monitoring Terminal



CUBE is a signature product in **01dB**'s internationally renowned suite of noise monitoring solutions. Designed to suit all applications, **CUBE** is the most versatile terminal on the market, with the ability to be mounted in a fixed position, or be portable in a robust case. Innovative functionality and ease of operation combine to let users concentrate on data analysis while **CUBE** takes care of everything else.

The ultimate noise monitoring solution

FIT FOR PURPOSE DESIGN

By eliminating the cone shape of traditional sound level meters, **CUBE** has been designed to fit into a variety of different casings, from fixed plastic or metal cabinets to portable weather-proof cases.

Antennas (WiFi, 3G and GPS) are easily connected via three accessible ports which can be relocated to the exterior of the casing.

The mounting profile can be attached to a protective DIN rail.

Integrating **CUBE** is a quick and simple process.

ALWAYS CONNECTED

Offering a built-in 3G modem, 802.11 b/g/n WiFi, ethernet and ADSL connections, **CUBE** is connected 24/7.

Key connectivity features include automatic data publication; low internal battery alert via text message; and **01dB WebMonitoring** software service alarms.

Responding to all your demands, **CUBE** allows setting changes via a web-based interface and the ability to listen to measured noise and view displays in real-time. **CUBE** keeps you connected to your monitoring projects at all times.

Designed for monitoring

UNCOMPROMISED METROLOGY

Exact measurement is an essential pre-requisite for every noise monitoring project.

CUBE has IEC 61672 Class 1 certification, guaranteeing accuracy. When used in association with **01dB's DMK01** outdoor microphone, **CUBE** measures in both 0° and 90° reference directions. Electronic verification of the metrology chain facilitates periodic checking of measurement reliability, ensuring that **CUBE's** data capture is consistently accurate.



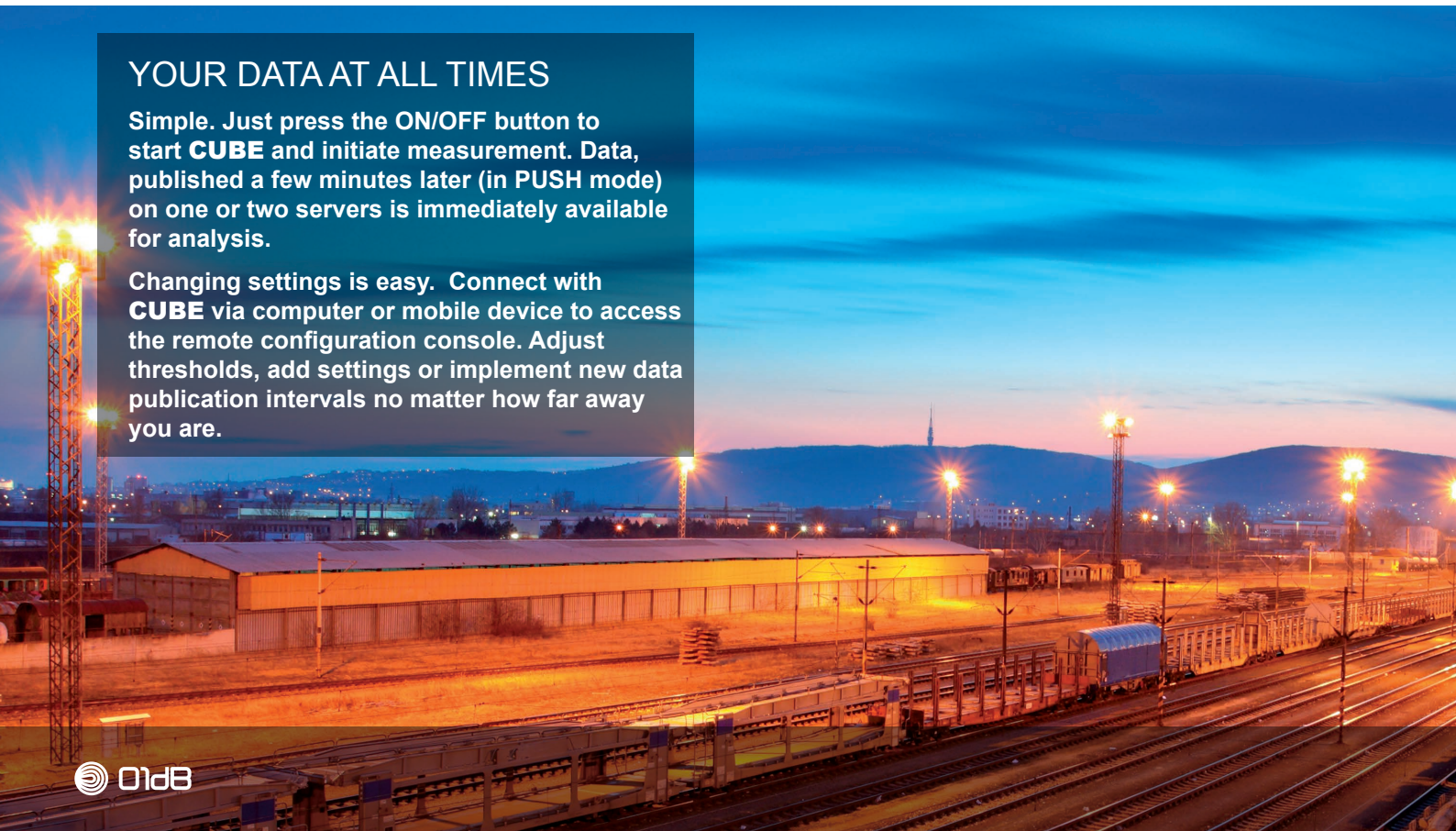
MONITORING: A PRIORITY

Detecting and providing information about noise measurement is a key component of the monitoring process. With **CUBE's** event detection filtering system, each event generates event markers, signal recordings (MP3 or WAV), SMS notifications and warning lights as required. Using **CUBE** with **01dB WebMonitoring** services, all measurements are available on a customisable web interface, giving you all the tools you need for successful monitoring.

YOUR DATA AT ALL TIMES

Simple. Just press the ON/OFF button to start **CUBE** and initiate measurement. Data, published a few minutes later (in PUSH mode) on one or two servers is immediately available for analysis.

Changing settings is easy. Connect with **CUBE** via computer or mobile device to access the remote configuration console. Adjust thresholds, add settings or implement new data publication intervals no matter how far away you are.



No time lost

The 01dB “ECOSYSTEM”

All **01dB** products are designed to increase productivity and are based on shared operating principles. They work on the same data processing software platform and have similar accessories.

CUBE, **DUO**, **FUSION** and **ORION** use a single “ecosystem.” Familiarity with one instrument will ensure you can master them all with no additional training necessary.

If **CUBE** is your first purchase from the **01dB** range, you will appreciate its simplicity of use, degree of remote controllability and the power of its post-processing software.



01dB SOFTWARE

CUBE ensures that measurements are meteorologically accurate, perfectly structured and sent to your data server on a regular basis.

To meet a diverse range of project requirements, 01dB offers a selection of software tools (**dBTRAIT**, **dBFA**, etc.) with advanced functionality to visualise, exploit and analyse your data.

01dB software can be installed on multiple devices with no security key needed - processing your data seamlessly.

ACCESSORIES

01dB offers a complete range of accessories that complements **CUBE** and helps make it more efficient and easier to operate, including:

- 30-day battery for greater autonomy
- Weather-proof case
- Solar panel
- 2 or 6 sensor weather station interface
- DIN rail mounting system
- Mounting pole for external microphone.

These accessories will help improve the quality and ease of operation of **CUBE** and your monitoring project.

01dB WebMonitoring

CUBE has exceptional technical characteristics. Used in conjunction with **01dB WebMonitoring** services, **CUBE** is your simple and effective solution for any noise monitoring project.

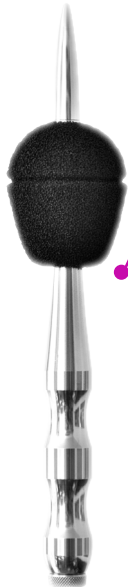
CUBE offers:

- Direct access to high-performance web services
- Secure cloud storage of data
- Online presentation of measurements on a customised interface
- Periodic system verification and maintenance
- Real-time monitoring of alarms.

CUBE and **01dB WebMonitoring** help make the most of your expertise and enable quality analysis of monitoring data.



The art of noise monitoring



METROLOGY

- ✓ IEC 61672 Class 1 (0°/90°)
- ✓ DMK01 outdoor microphone
- ✓ All weather G.R.A.S. 40CD microphone
- ✓ Periodic self-check system based on charge injection

ALL-IN-ONE

- ✓ Built-in WiFi
- ✓ Built-in 3G modem
- ✓ LAN interface
- ✓ Built-in GPS

SIMPLE TO INTEGRATE

- ✓ Compact
- ✓ Lightweight
- ✓ External antennas (GPS, WiFi and 3G)
- ✓ DIN rail mounting

DEDICATED TO MONITORING

- ✓ Periodic transmission of data in PUSH mode
- ✓ Interface with your software environment
- ✓ Compatible with 01dB WebMonitoring services
- ✓ Advanced triggers
- ✓ Noise event SMS notification
- ✓ Operational problem SMS notification



CONNECTED

- ✓ DHCP mode for modem connection
- ✓ Connection to WiFi network
- ✓ Remote administration via web interface
- ✓ Remote signal for listening

SMART

- ✓ Advanced noise indicators
- ✓ Aircraft noise indicators
- ✓ Raw signal recording (metrological WAV or compressed MP3)
- ✓ Time synchronisation
- ✓ Multi-point synchronised encoding

HIGH PERFORMANCE

- ✓ 24-hour backup battery
- ✓ Adaptable to all external batteries
- ✓ High-capacity SD memory card (2 to 128 GB)
- ✓ Data processing with dBTRAIT software

ACCESSORIES



DSC01 all weather case



Weather station



Solar panel

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