

CUBE Smart Noise Monitoring Terminal

Designed for monitoring.!!







### A DESIGN FIT FOR PURPOSE

CUBE is a noise monitoring terminal that can fit into all forms of enclosure: all weather case, plastic or metal cabinet, etc. CUBE has been carefully designed to respond to all your needs. The cone typical of sound level meters has been eliminated to obtain a shape that can be easily integrated. Three ports are used to connect the antennas (Wi-Fi, 3G and GPS), each of which can be relocated outside the cabinet. The mounting profile can be attached to a DIN rail (typical for protection cabinets). Regardless of the situation, integrating the CUBE is quick and simple!

### **ALWAYS CONNECTED**

Built-in 3G modem, Wi-Fi 802.11 b/g/n, Ethernet, ADSL... CUBE is totally connected and operates 24/7: automatic data publication, text message when the internal battery is low, communication of alarms to 01dB WebMonitoring services etc. In parallel, it responds to all your demands: changes to settings via a web-based interface, real-time listening to the measured noise, real-time display, etc. With CUBE, you are always closely connected to your monitoring projects.



# Designed for monitoring

# UNCOMPROMISED METROLOGY

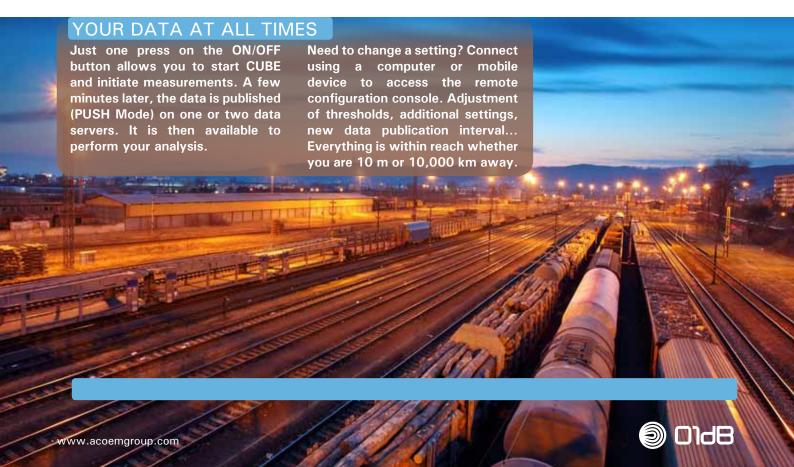
The best possible measurement quality is a must for any noise monitoring project. **01dB** guarantees this prerequisite without compromise and offers a widely approved IEC 61672 class 1 solution. When associated with its **DMK01** outdoor microphone unit, **CUBE** may be used for measurements in the two reference directions 0° or 90°. Furthermore, electrical verification of the metrology chain allows measurement reliability to be checked periodically. Under all circumstances, **CUBE** collects data of undisputable metrological quality.





# **MONITORING: A PRIORITY**

Ensuring pertinent monitoring also means detecting and providing information about the measurement. For this reason **CUBE** integrates the most advanced event-detection filter system, from the simplest to the most complex configuration. Each event generates one or more actions: event markers, signal recording (MP3 or WAV), notification by text messaging, triggering a warning light, etc. By associating **CUBE** with **O1dB WebMonitoring** services, the measurements are available on a customizable web interface. **CUBE** makes sure that you have everything you need to ensure the success of your monitoring projects.



# No time lost

# THE 01dB "ECOSYSTEM"

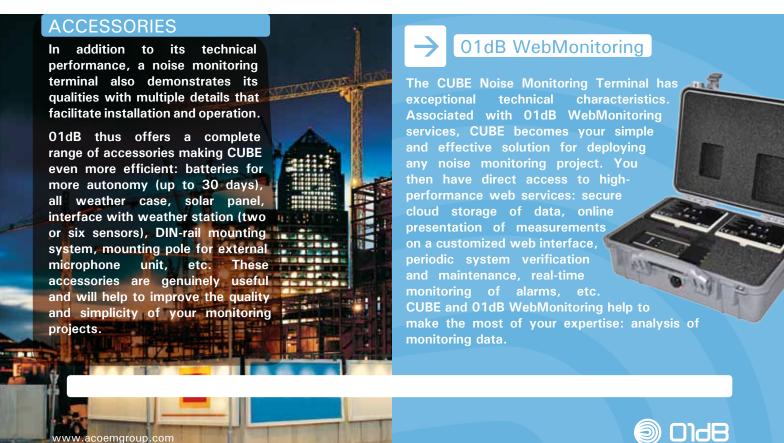
CUBE, DUO, FUSION: three units, three applications but one single "ecosystem" focused on improving your productivity. Already familiar with DUO or FUSION? Becoming proficient with CUBE is just a formality. You will be operational on first contact and without any training. Your first purchase from the O1dB range? You will appreciate its simplicity of use, its degree of remote controllability and the power of its processing software.





### 01dB SOFTWARE

With **CUBE**, measurements are metrological, perfectly structured and sent regularly to your data server. To cover each need, **01dB** proposes a range of software tools (**dBTRAIT**, **dBFA**, etc.) offering advanced functions to visualize, exploit and analyze your data. To simplify your work, you can install **01dB** software as many times as needed. Furthermore, there is no physical protection key to plug into your PC. With **01dB**, our software processes your data seamlessly.





# At the service of monitoring



#### METROLOGY

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

## **ALL-IN-ONE**

- ✓ Built-in Wi-Fi
- → Built-in 3G modem
- **✓ LAN interface**
- → Built-in GPS

## SIMPLE TO INTEGRATE

- **∨** Compact
- ✓ Lightweight
- ✓ External antennas (GPS, Wi-Fi 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
- ✓ Text message notification of acoustic events
- ✓ Text message notification of operation problems

# CONNECTED

- DHCP mode for connection to all types of modem
- → Connection to Wi-Fi network
- ✓ Remote administration via a web interface
- ✓ Remote listening to signal

#### SMART

- → Advanced acoustic indicators
- ✓ Indicators for aircraft noise
- Raw signal recording (metrological WAV or compressed MP3)
- ✓ Time synchronization
- Multi-point synchronized 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



OIDE



DSC01 all weather case



Weather station



DMK01 outdoor microphone unit



Solar panel

#### **ACOEM**

Smart monitoring, diagnosis & solutions

ACOEM offers comprehensive products and services comprising smart monitoring, diagnosis and solutions, drawing upon its unique expertise in the field of vibrations and acoustics.

**ACOEM** contributes to the improvement of:

- quality of life and risk prevention in urban and industrial environments
- productivity and the reliability of industrial processes
- the design of robust and high-performance products with low noise levels
- protection of sites, vehicles and people in hostile environments

With its 01dB, METRAVIB and ONEPROD brands, ACOEM works with decision-makers in industry, defence and the environment throughout the world.

For more information, visit our website at www.acoemgroup.com



200 Chemin des Ormeaux 69578 LIMONEST - FRANCE Tel. +33 (0)4 72 52 48 00

www.acoemgroup.com

Asia

Tel. + 66 (2) 7112 293 - Fax: + 66 (2) 7112 293

South America

Tel. +55 (11) 5089 6460 - Fax: +55 (11) 5089 6454