



# **FUSION** Smart Sound & Vibration Analyzer

Simply Unique!!



With FUSION, 01dB launches its new sound level meter, designed to fulfill your needs in all situations. Simple to use, as effective in the hand as on a tripod, this instrument offers the best available technology to handle all measurement situations. Powerful functions are integrated to meet your needs for on-site analysis, making FUSION the most innovative sound level meter and an exceptional tool, increasing your productivity!

## FUSION Smart Sound & Vibration Analyzer

Technology at the service of your productivity



### A NEW ASSET

Thanks to its unique components (built-in GPS, Wi-Fi, etc.), carefully integrated into a compact, robust and ergonomic design, **FUSION** is ready for field operations. Exceptional functionalities and approved metrology will facilitate your projects and ensure excellent productivity and reliability. Furthermore, with an autonomy of 24 hours, you will no doubt tire before it does!

### ALWAYS CONNECTED

Wi-Fi, 3G, Ethernet... **FUSION** is the first hyper-connected sound level meter, enabling you to adopt a new way of measuring. Some examples? Downloading data via a Wi-Fi network, remote administration using 3G, real-time display of your measurement, text notification messaging upon threshold overstepping, remote listening, etc. Whatever your needs, **FUSION** already has the answer.

# → Performance and simplicity

## MULTI TASKING

An acoustic consultant's day is filled with many different tasks: evaluating the noise impact of an industrial site, measuring actual sound insulation between housing units, analyzing vibrations induced on the pavement when an underground train passes by, etc. Do you really need a different measuring instrument suited to each application? **FUSION** brings them all together in a single unit. You can switch from one measurement to another in the blink of an eye.



## SMART AND POWERFUL

No doubt about it, **FUSION** measures noise and vibrations perfectly. Its powerful functions contribute to optimizing your operational efficiency: continuous audio recording, innovative trigger threshold definition, advanced acoustic indicators, automatic calibrator detection, periodic electrical checks, remote setting changes and listening, etc.

*You are demanding and FUSION is powerful: why not team up together?!*



## WIRELESS VIBRATION

Deploying cables reduces operational efficiency: **FUSION** eradicates the need and offers wireless vibration measurement for the first time on a sound level meter. Connected to a smart and power-

ful vibration sensor, **FUSION** records and stores in parallel 3-axis vibrations, audio signals and all acoustic indicators. Innovative, simple and extremely effective!



## → No time lost

### THE 01dB “ECOSYSTEM”

**FUSION, DUO, CUBE:** three units, three applications but one single “ecosystem” focused on improving your productivity. Already familiar with **DUO** or **CUBE**? Becoming proficient with **FUSION** is just a formality. You will be operational on first contact and without any training. Your first purchase from the **01dB** range? You will appreciate its simplicity of use, its degree of remote controllability and the power of its processing software.



### 01dB SOFTWARE

With **FUSION**, measurements are of an indisputable metrological quality, perfectly structured and therefore ready for further processing. To cover each application, **01dB** offers a range of software tools (**dB-TRAIT**, **dBATI**, **dBFA**, etc.) providing advanced functions to analyze and display your data, getting the best out of your measurements. 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 will process your data seamlessly.

### ACCESSORIES

In addition to its technical performance, a sound level meter also demonstrates its quality with multiple details that facilitate its everyday use. 01dB thus offers a complete range of accessories making **FUSION** even more efficient: grip, outdoor microphone unit, all weather case with extended autonomy (12/24 days), interface with weather station (two or six sensors), tapping machine, noise source, etc. For 01dB, these accessories are genuinely useful and serve to improve your productivity day after day.



### 01dB AT YOUR SERVICE

Investing in **FUSION** not only means acquiring a high-performance sound level meter but also gaining access to 01dB Customer Support. A complete suite of services is included as standard with your instrument: hotline, training, calibration laboratory, repair center, rental systems, etc. Flat-rate annual service contracts allow you to optimize your operating budget by selecting the services you really need. With 01dB services, your production tool is always operational for your full satisfaction.





# The tool for your productivity



## METROLOGICAL

- ✓ IEC 61672 class 1
- ✓ 40CE G.R.A.S. microphone
- ✓ Built-in preamplifier
- ✓ Self-check system

## ALL-IN-ONE

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

## INNOVATIVE

- ✓ Wireless 3-axis vibration signals measurement
- ✓ Simultaneous recording of acoustic signals
- ✓ Storage of acoustic indicators in parallel

## CONNECTED

- ✓ Remote control
- ✓ Text message notification of acoustic events
- ✓ Text message notification in the event of operation problems
- ✓ Connection to infrastructure Wi-Fi network

## EASY TO USE

- ✓ High-definition color display
- ✓ 3-key silent keyboard
- ✓ Rubber side grips
- ✓ Windscreen claw
- ✓ Handle fit to profile

## SMART

- ✓ Automatic calibrator detection
- ✓ Advanced triggers
- ✓ Advanced acoustic indicators
- ✓ Time synchronization
- ✓ Multi-point synchronized encoding

## POWERFUL

- ✓ 24-hour autonomy
- ✓ High-capacity SD memory card (2 to 128 GB)
- ✓ Metrological audio recording
- ✓ Multiple processing software packages

## GENERALIST

- ✓ Environmental measurements
- ✓ Building acoustics
- ✓ Vibration measurements
- ✓ Health and safety measurements

## ACCESSORIES



DSC01 all weather case



DMK01 outdoor microphone unit



Transport case



Weather station

## ACOEM

Smart monitoring, diagnosis & solutions

In today's complex and increasingly fast-moving world, it is essential to keep risks under control. ACOEM helps customers in the industrial, environmental and defence sectors make the right decisions and take the right actions:

- to ensure the productivity and reliability of industrial machines
- to prevent noise and vibration pollution
- to protect personnel, sites and vehicles in military theaters of operation
- to contribute to the development of effective, robust & noiseless products

All around the world, ACOEM's 450 employees are at the forefront of innovation in monitoring, maintenance and engineering through 01dB, ONEPROD, FIXTURLASER and METRAVIB.

For more information, visit our website at [acoemgroup.com](http://acoemgroup.com)



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