FUSION
Smart Sound & Vibration Analyser
Simply unique

REDUCE YOUR ENVIRONMENTAL IMPACT
YOUR NEW TEAM MEMBER

Featuring fully integrated components like built-in GPS and WiFi, FUSION has a compact, robust and ergonomic design perfectly suited to field work. Exceptional functionality and certified metrology ensure excellent reliability and accuracy. With the ability to operate autonomously for 24 hours, FUSION goes the distance.

ALWAYS CONNECTED

WiFi, 3G, ethernet... FUSION is the first hyper-connected sound level meter on the market, offering a new way to measure sound.

Whatever your project needs, FUSION has the answer:

- Download data via a WiFi network
- Administer remotely using 3G
- View real-time displays of your measurement
- Receive SMS notifications if pre-determined thresholds are exceeded
- Listen remotely.

FUSION is ACOEM’s multi-functional sound level meter, designed to increase productivity and deliver solutions.

Simple to use, and as effective handheld as it is on a tripod, this instrument is ideal in all measurement situations. Boasting powerful functionality for on-site analysis, FUSION is an innovation in sound level meters.
MULTI-TASKING
Noise consultants are called upon to measure and monitor a variety of noise and vibration issues. On any given day, they might evaluate the impact of noise on industrial sites, measure sound insulation between housing units or analyse induced vibrations on the pavement above underground trains. Rather than using different measuring instruments for each application, FUSION brings them all together in one compact unit. Switch from one measurement to another in the blink of an eye.

SMART AND POWERFUL
FUSION measures noise and vibrations succinctly and accurately. Its powerful functions are designed to optimise your operational efficiency, including:

- Continuous audio recording
- Innovative trigger threshold definition
- Advanced noise indicators
- Automatic calibrator detection
- Periodic electrical checks
- Remote setting changes and listening.

Your consulting expertise and FUSION – the perfect combination

WIRELESS VIBRATION
No more cables. FUSION is the first sound level meter to offer completely wireless vibration measurement. Connect FUSION to a powerful vibration sensor and it will record and store 3-axis vibrations in parallel, audio signals and all noise indicators.

Innovative, easy to operate and highly effective.
THE ACOEM “ECOSYSTEM”

All ACOEM 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.

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

If FUSION is your first purchase from the ACOEM range, you will appreciate its simplicity of use, remote controllability and the power of its post-processing software.

ACOEM ACCESSORIES

ACOEM offers a complete range of accessories that complements FUSION and helps make it more efficient and easier to operate, including:

- 12/24-day battery for greater autonomy
- Weather-proof case
- Special grip
- Outdoor microphone
- 2 or 6 sensor weather station interface
- Tapping machine
- Noise source.

ACOEM AT YOUR SERVICE

Investing in FUSION not only means acquiring a high-performance sound level meter but also access to ACOEM’s exceptional Customer Support. A complete suite of services is included as standard with your instrument:

- Hotline
- Training
- Calibration laboratory
- Repair centre
- Rental systems.

A flat-rate annual service contract allows you to optimise your operating budget by selecting the services you really need. With the support of ACOEM services, your instruments are always operational and guaranteed to function to your full satisfaction.

ACOEM SOFTWARE

FUSION ensures that measurements are metrologically accurate, perfectly structured and sent to your data server on a regular basis for processing.

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

ACOEM software can be installed on multiple devices with no security key needed - processing your data seamlessly.
One tool to meet all your needs

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

**POWERFUL**
- Automatic calibrator detection
- Advanced triggers
- Advanced noise indicators
- Time synchronisation
- Multi-point synchronised encoding

**METROLOGICAL**
- IEC 61672 Class 1
- 40CE G.R.A.S. microphone
- Built-in preamplifier
- Self-check system

**ACCESSORIES**
- Wireless 3-axis vibration signals measurement
- Simultaneous recording of noise signals
- Storage of multiple noise indicators at once

**SMART**
- Built-in WiFi
- Built-in 3G modem
- LAN interface
- Built-in GPS antenna

**INNOVATIVE**
- Built-in WiFi
- Built-in 3G modem
- LAN interface
- Built-in GPS antenna

**ALL-IN-ONE**
- Built-in WiFi
- Built-in 3G modem
- LAN interface
- Built-in GPS antenna

**CONNECTED**
- Remote control
- Noise event SMS notifications
- Operational problem SMS notifications
- Connection to infrastructure WiFi network

**GENERALIST**
- Environmental measurements
- Building acoustics
- Vibration measurements
- Health and safety measurements

**DSC01 all weather case**
**DMK01 outdoor microphone**
**Weather station**
About ACOEM
Reduce your environmental impact

In today’s fast-moving world, the environment is increasingly impacted. The ACOEM Group is committed to sustainable development and help 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 theaters of operation

The ACOEM Group is based in Limonest, France, and has 17 subsidiaries and offices around the world. The Group generates an annual turnover over €100 million and currently employs 750+ people globally.

For more information, please visit our website at acoem.com