

# Oper@, **Noise Monitoring Stations**





Specifically designed to continuously measure noise to protect the quality of life, maintain guiet neighbourhoods, determine compliance of construction sites and monitor ambient noise for urban planning, Oper@ monitors:

- Urban territories.
- Airports and airfields,
- Building and public work sites,
- Industrial and leisure activities.

Fully integrated in the urban landscape, Oper@ allows the user to easily manage the measurement network with easy automated customised reports.



Oper@,
The reference for noise monitoring



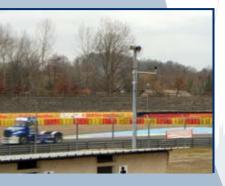
- Class 1 metrological system (LNE-approved)
- Fully weather resistant IP55
- Scheduled self-check of the measurement chain
- Small form factor allows seamless integration into the landscape

### **Intelligent Communication**

- Ethernet/ADSL/3G/...communicating stations
- SMS/e-mail/phone alarms on thresholds and events
- Data and audio streaming for real-time listening
- Publishing of reports and consultation via the Internet

# Easy network deployment

- Multiple transducers (meteorology, camera, radar, etc.)
- Easy installation and implementation
- Simple operating and maintenance
- Operating assistance suited to your needs





## Enhance your know-how

- Long-term monitoring
- Noise prevention and control
- Data warehousing
- ▶ Environmental noise management









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Features	Oper@
Standards	IEC 61672-1 (2002) / NF EN 60651(2000) / NFEN 61804 (2000) / ANSI 1.11 / ANSI 1.4 / NF EN 61260 (2002)
Metrology	Class 1 two-channel sound level meter Dynamic range: 25 - 137 dB(A) Operating temperature: -10°C / +50°C Calibration: Manual / Voltage insertion / Actuator (with G41AM/CN unit) Minimum elementary integration time: 100 ms
Measured magnitudes	Weightings: A, B, C, Z in parallel Time constants: S, F, I in parallel Descriptors: Leq, Lp, Lpk in parallel Statistical indices Frequency analysis: 1/3 octave in Leq, LSp, LFp, LIp Spectrum bandwidth: 12.5 Hz - 20 kHz Additional indicators: PnL, PnLT, PSIL, SIL4, SIL3
General performances	Signal recording in mp3 format Warning system by SMS / e-mail / phone Communication: LAN / ADSL / 3G / EDGE / RNIS / GPRS / GSM / RTC Time synchronisation: GPS / NTP Triggering of actions on thresholds Protection rating: 55 Dimensions: 270 x 170 x 60 mm Weight: 2.2 kg
Accessories	All-weather microphone units: UME21, G41AM, G41CN Mounting devices (wall, pole, etc.) with remote microphone Protecting cabinet Weather station, type VAISALA WXT 520 Warning rotating light, traffic radar, etc.
Associated software	994 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
dB@dmin	Oper@ network management software Remote configuration of measurement stations and schedule of transfers
dBDat@	Data consultation software Visual display of measurements performed by Oper@ stations through a calendar-type interface
dBTrait	Data processing software Analysis of measurement results and comparison with statutory limit values
dBReport	Results publishing software Automatic publishing of monitoring results as Web reports

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