



Specifically designed to continuously measure noise to protect the quality of life, maintain quiet 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

Robustness and Reliability

- ▶ 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



Oper@ Technical Specifications



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, Llp 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	<p>dB@dmin Oper@ network management software Remote configuration of measurement stations and schedule of transfers</p> <p>dB@dat@ Data consultation software Visual display of measurements performed by Oper@ stations through a calendar-type interface</p> <p>dB@trait Data processing software Analysis of measurement results and comparison with statutory limit values</p> <p>dB@report Results publishing software Automatic publishing of monitoring results as Web reports</p>



The presented characteristics are subject to change without notice. Version December 2009

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