

## Sound Level Meter SPM<sup>ONE</sup>

# Measure and store sound



### Monitor & Microphone for Measuring and Recording Sound Levels

- self-sufficient and continuous monitoring of sound sources
- automatic transmission of measured data and results to local network or Internet
- storing of the data of the recent two years in flash memory
- free and cyclically programmable recalling and transmission of data
- sound level measurement according to DIN EN 61672
- upon request: calibration by a certified laboratory (German Accreditation Body GmbH (DAkkS))

### Features

- weather-proof microphone with wind shield, bird spikes and heating
- high reliability due to automatic self-check
- automatic transmission of measured values to PC or internet server, via ethernet or optional GSM modem
- simple representation of measured data by software SPMview and conversion to Microsoft Excel format
- online representation of measured data via GfS server possible
- optional: 4-20mA analog output
- Calibration certificate according to DIN EN ISO/IEC 17025:2018-03

# Sound Level Meter

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### Scope of Delivery

- sound level monitor evaluation unit
- weatherproof microphone with wind shield
- and bird spikes
- microphone adapter for 1¼-inches tube
- microphone cable
- power supply unit for 230 V/ 50–60 Hz
- cable set: Ethernet, RS232, and modem (3 meters)
- wall fastening kit for monitor
- factory calibration certificate according to DIN EN ISO/IEC 17025:2018-03
- on request: DKD calibration and certificate

### Accessories (optional)

- outdoor housing
- GSM modem
- 4-20mA module for sound level output
- sound calibrator class 1: 94 dB and 114 dB at 1000 Hz
- server with (protected) user area

### Service and Maintenance

- we recommend the annual maintenance and re-calibration of the devices
- we are at your disposal for any questions and in case of problems
- **Technical Data**
- Range of Sound Level  
30–127 dB
- Range of Frequency  
20 Hz – 20 kHz
- Frequency Weighting  
A-filter, C-filter
- Time Weighting  
fast, slow
- Accuracy  
class 1 according to DIN EN 61672
- Display  
LCD
- Microphone Interface  
Analog
- Data Interfaces  
Ethernet, RS232, 4-20mA (optional)
- Router  
LTE