iOCTO

Sound Level Meter
SPM^TWO

Measure and analyse sound

Real-Time Measurement and Analysis of Sound Levels

- Continues monitoring of sound sources
- Audio recording of acoustic events
- Automatic transmission of measured data and results to local network or server
- No data loss in case of server connection interruption (internal data storage, 256GB)
- Simple operation, maintenance, and remote control
- Extensive data storage and transmission (ethernet, USB, internet, LTE-Router)
- Upon request: calibration by a certified laboratory (German Accreditation Body GmbH (DAkkS))

Features

- Parallel measuring and storing of all measurement variables in time range
- Real-time FFT & one-third octave band analysis
- Automatic storage of sound events
- Noise identification
- Interfaces for weather data, traffic counting or webcam
- Evaluation unit:
  protection class IP54
  (outdoor housing on request)
- Calibration certificate according to DIN EN ISO/IEC 17025:2018-03

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Interfaces for Weather Data, Traffic Counting, Webcam and Others

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Scope of Delivery

— Sound level monitor evaluation unit
— Weatherproof microphone with wind shield and bird spikes
— Microphone cable
— Power supply unit for 230V / 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

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

Accessories

— Outdoor housing
— Meteorological station
— Server with (protected) user area

Technical Data

— **Range of Sound Level**
  25-140 dB
— **Range of Frequency**
  20 Hz – 20 kHz
— **Frequency Weighting**
  A-filter, C-filter, Z-filter
— **Time Weighting**
  Fast, slow, impulse
— **FFT**
  With 64-fold zoom
— **Third Octave Analyser**
  29 bands (25 Hz – 16 kHz)
— **Octave Analyser**
  9 bands (31,5 Hz – 8 kHz)
— **Accuracy**
  Class 1 according to DIN EN 61672
— **Display**
  7"FFT display with touch
— **Microphone Interface**
  AES 42 digital / analogue
— **Data Interfaces**
  Ethernet, USB, CAN, RS422
— **Router**
  LTE (optional)