



SoundEar®4 series – 4-400 and 4-410 is operated manually via the touch panel on the front of the cabinet.

Measure, monitor and manage the noise with SE4-420

The SoundEar®4 is an advanced noise monitoring device equipped with WIFI and Modbus communication capabilities, along with an open API for seamless integration with various systems.

It is available in customized versions to suit specific environments, including hospitals, industrial settings, and office spaces, as well as outdoor models. This device is particularly suitable for a range of IoT and cloud solutions, offering a versatile tool for managing and controlling noise levels in different contexts. Its design caters to the growing need for smart, interconnected devices that can easily share and process data within the modern technological ecosystem.

Technical data SoundEar 4-420

STANDARDS: IEC61672-1-2002, ANSI S1.43 -1997
Type 260601-1: Medical electrical equipment - Part 1: general requirements for basic safety and essential performance.
606010-1-2: Medical equipment - Part 1-2: General requirement for basic safety and essential performance. Dampness and dust: IP 42
Compliance with Class 1

PARAMETERS:

Measures 3 measurements simultaneously LAF; LAS; LCpeak;
Laeq, 1s, Laeq ¼ h, Laeq 1 h.
Resolution: 0,1 dB for all parameters
Measuring Ranges: RMS: Total 30 - 120 dB
Deviation: +/- 0,5 dB
Frequency Range: 20Hz - 20 kHz
Frequency Weightings: A- weighting (RMS), C-weighting (Peak)
Time Weighting: Slow (1S) & Fast (125 ms)
Dynamic Range: 90 dB and peak detection
Internal memory: 4 MB (ca. 60 days log time)
Real Time Clock: Hi-precision type with battery backup (CR2032)

Microphone: 20 Hz- 20 kHz
WiFi: 802.11 b/g/n
On-board PCB WiFi antenna
External GPRS antenna via a connector

MECHANICAL FEATURES:

Cabinet: Shockproof acrylic
1 x USB: USB-C (power & PC for Log and configuration)
Measurement: Length 256 mm, Width: 205 mm, Height: 45 mm
Weight: 1,5 kg

ELECTRICAL FEATURES:

Power Supply: 5VDC (USB-C)
Current Consumption: max 2,5 W

TEMPERATURE:

During operation: 0 °C to 50 °C
When stored/during transport: -20 °C to 60 °C

MINI DISPLAY SETTING: LAeq 1 s., Alarm level, Clock and mini display off