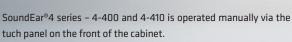
# **SoundEar** 4 - 420









## 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) & Samp; 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

 $\textbf{MINI DISPLAY SETTING:} \ LA eq \ 1 \ s., \ Alarm \ level, \ Clock \ and \ mini \ display \ off$