

NoiseMeters

# SoundEar II<sup>®</sup>

The sound of a good working environment!



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Many hospital patients complain about too much noise. This includes noise from medical equipment, staff and visitors, closing doors etc.

Research has shown that noise levels above 50 dB(A) delay recovery and rehabilitation periods, thereby causing patients to stay for an unnecessary, longer period of time due to bad acoustic and sound environments within modern hospitals.

Hospitals of the future focus on lower noise levels. Not only does a good auditive environment facilitate recovery, it also leads to better sleep patterns and higher levels of patient and staff well-being.

Let SoundEar II® help you save money by reducing patient hospitalization periods and staff sickness absence.

SoundEar II® is mounted onto a wall, showing the noise level in an easy to understand manner, and it gives a warning whenever the noise level gets too high. SoundEar II® is a good system to utilize in particularly sensitive hospital areas:

- neonatal units
- operating rooms
- recovery rooms
- rooms with several beds
- quiet areas
- waiting rooms

SoundEar II® has been specifically developed for use in hospitals and is approved in accordance with IEC 60601-1 (medical electrical equipment).

## Technical data:

**Standards:** 60601-1: Medical electrical equipment  
- Part 1: General requirements for basic safety and essential performance.  
60601-1-2: Medical electrical equipment  
- Part 1-2: General requirements for basic safety and essential performance.

### Mechanical features:

Cabinet: Shockproof acrylic  
Measurements: length: 265 mm,  
width: 205 mm, height: 46 mm  
Weight: 1.5 kg

### Electrical features:

Power supply: 24 Volt DC

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

### Dampness and dust:

IP 42

### Measurement parameters:

Frequency: 20Hz to 16 Hz  
Scope of measurement: 40 dB to 115 dB  
Frequency weighing: A-filter  
Time weighing: Slow (1 sec)  
Deviation: +/- 3 dB

You can pre-set your SoundEar II® to provide a visual warning sign consisting of a flashing red light at 16 different noise limits ranging from 40 to 115 dB(A). Use the red wheel at the bottom of the device to select the desired noise limit. Our website contains information on suitable noise limits.

SoundEar II® can be connected to an external microphone.



## SoundLog

A data log that saves measurements for up to four weeks is available for the SoundEar II® system. SoundEar II® measures sounds and the measurements are saved by the data log. The computer program delivered along with the data log allows the measurements from the last four weeks to be shown in a printable graph.

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