

NoiseMeters Inc

SoundEar II[®]

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 acoustic 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
- Recover rooms
- Rooms with several beds
- Quiet areas
- Waiting rooms

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.

SoundEarII® can be connected to an external microphone.



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: 256mm, width: 205mm, height: 46mm
Weight: 1.5 kg

Electrical features:

Power supply: 24 V DC

Temperature: During operation: 0°C to 50°C
Storage: -20°C to 60°C

Dampness and dust:

IP42

Measurement parameters:

Frequency: 20Hz to 16kHz
Scope of measurement: 40dB to 115dB
Frequency weighting: A
Time weighting: Slow (1 sec)
Deviation: ±3dB

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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