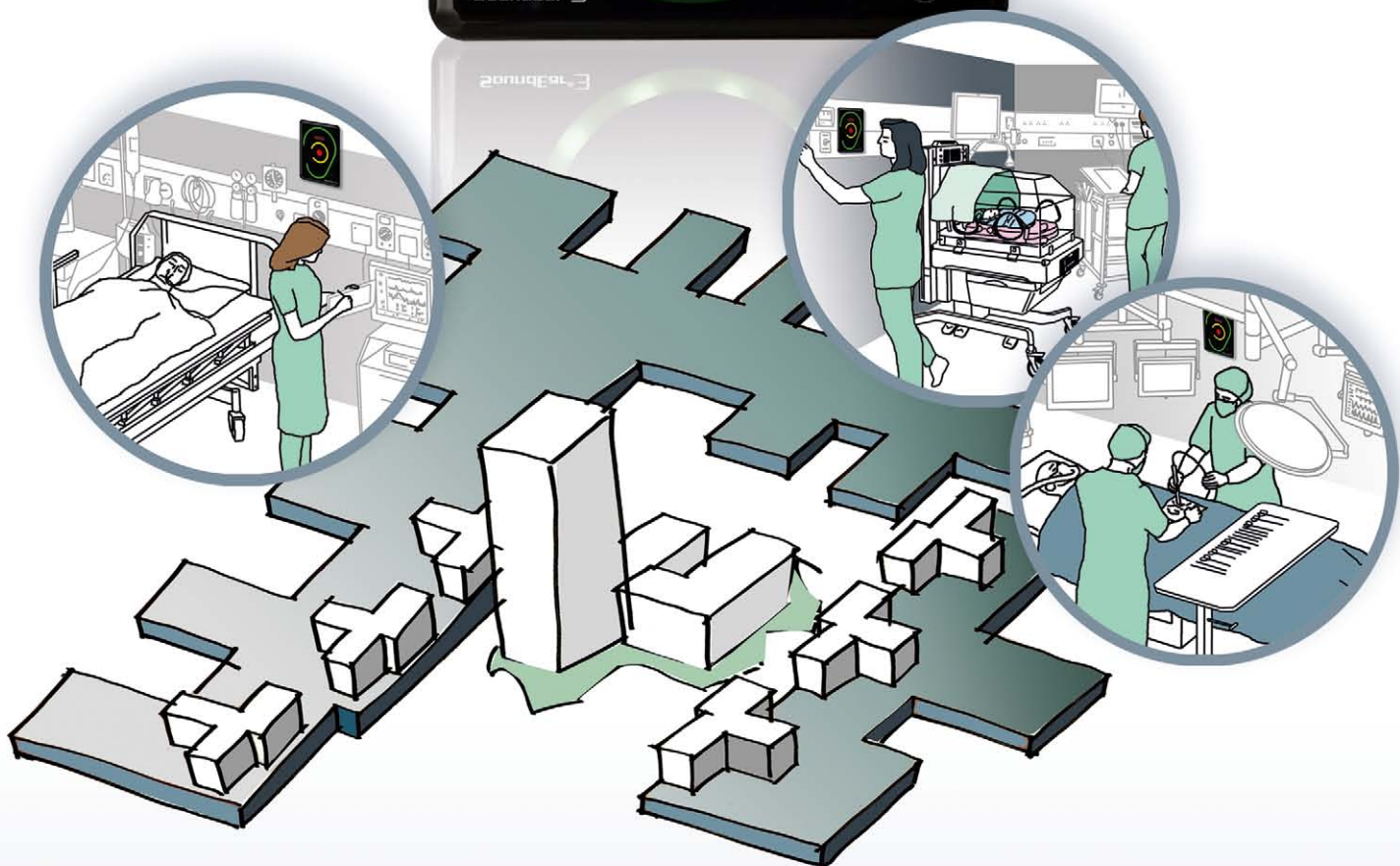


SoundEar[®]3

Measure, monitor and
manage noise in hospitals



SoundEar®3

Unnecessary noise, then, is the most cruel absence of care which can be inflicted either on sick or well.

- Florence Nightingale, Notes on Nursing, 1859

In many hospitals patients and staff complain about too much noise. This includes noise from medical equipment, staff and visitors etc.

Noisy environments and poor acoustic within modern hospitals delay recovery and rehabilitation processes, resulting in unnecessarily long treatments.

Therefore, 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.



SoundEar®3 is available in two versions.

SoundEar®3 - Specifications

Frequency Range:	20 Hz - 20 kHz
Measuring Level Range:	30 dB - 120 dB
Deviation:	+/- 0.5 dB
Frequency Weighting:	dB (A) & dB (C) filter
Time Weighting:	Slow (1S) & (125mS)
Dynamic Range RMS:	90 dB and Peak detection
Light setting:	Full configurability through SoundEar® software including night setting.
2 x Outputs (1 for dB A + 1 for dB C):	Either 0-10V or 4-20mA outputs
2 x USB ports:	Micro USB (Power & PC), USB OTG (Log, config.)
Display data:	dB(A) Slow, Leq(A)15, Alarm settings, Temp, Clock
Power supply:	5VDC (micro USB) / 24VDC (screw terminal) Current consumption: max 2.5W.
Microphone:	20 Hz - 20 kHz
Internal memory:	16MB (128MBit) (5-90 days log time, depending on log settings)
Real Time Clock:	Hi-precision type with battery backup (CR2032).
Mechanical properties:	Cabinet: Shockproof acrylic. Measurements: Length: 265mm, Width: 205mm, Height: 46mm, Weight: 1.5 kg.
Standards:	IEC61672-2-2002. Type 2, ANSI S1.4 Type 260601-1: 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.



JPRO
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