

SoundEar® 3

- NOISE MONITORING SYSTEM



NUDGING STAFF AND FAMILIES TO REDUCE NOISE:

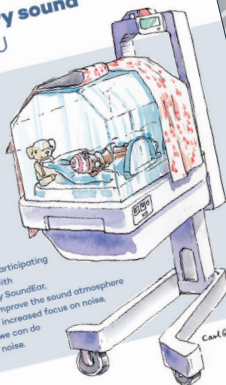
- The SoundEar noise meters help staff and families become aware of their own noise levels and change their noisy behavior.
- The software helps staff become aware of when and where noise levels are critical and something should be done differently.
- The software auto-generates noise reports on a weekly basis via email to key staff members, who can use these reports at staff meetings.

REDUCING HOSPITAL NOISE THROUGH AWARENESS

Hospital noise is an issue for babies born prematurely who are at high risk when it comes to external influences such as noise.

This is one of the reasons why the Neonatal Unit at the highly specialized hospital in Denmark, Rigshospitalet, is the first hospital in the world with a system of interactive sound meters from SoundEar to measure and help reduce unnecessary sound in patient rooms with premature babies and their families.

We are reducing unnecessary sound at the NICU



The NICU is participating in a project with the company SoundEar, helping us improve the sound atmosphere through an increased focus on noise, and what we can do to reduce noise.

Carl Gustav Müller 07

KEEPING PARENTS IN THE LOOP

It is important to keep parents informed about why the noise meters are installed and not only focus on reducing noise, but also inform them that they should still talk to their newborns and that some medical care routines will result in a certain level of noise.
(Flyer to hand out to new parents in the NICU)

Visit our blog soundear.com/blog and learn more about noise

More information: www.soundear.com

SoundEar®3

MEASURE, MONITOR AND MANAGE NOISE IN MULTIPLE LOCATIONS

With a SoundEar 3 noise monitoring system, you can:

- Measure and monitor noise in multiple locations
- Monitor noise levels through the included software
- Receive alarm notifications via e-mail when noise levels are too high
- Receive automatic noise reports in an e-mail

You can monitor noise levels for all your devices simultaneously, through the included SoundEar Software. Each device transmits noise measurements to your computer directly or via a cloud service.

You can choose between 3 types of automatic data transport: Wireless communication, Wi-Fi, or Lan.



MONITOR

- 24/7 noise monitoring through included software



SoundEar®3 fi 300, 320 Specifications

Parameters:	Measures 3 measurements simultaneously LAF; LAS; LCpeak; Laeq, 1s, Laeq 1/4 h, Laeq 1/2h, 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
Light setting:	full configurability through Soundear software including nightsetting.
2 x outputs :	0-10 V or 4-20 mA
2 xUSB outputs:	Micro USB (power & PC), USB OTG (Log, configuration)
Display setting:	LAeq 1 s., Alarm level and Clock
Power Supply:	5VDC (Micro USB) / 24VDC (Screw terminal)
Current Consumption:	max 2,5 W
Internal memory:	16 MB (128 Mbit)
Real Time Clock:	Hi-precision type with battery backup (CR2032)
Microphone:	20 Hz- 20 kHz
Measurement 300:	Length 256 mm, Width: 205 mm, Height: 45 mm, Weight: 1,5 kg
Measurement 320:	Length: 150mm, Width: 120mm, Height: 45mm, Weight: 0.45 kg.
Standards:	IEC61672-2-2002, Type 2, ANSI 51.4
	Type 260601-1: Medical electrical equipment - Part 1: general requirements for basic safety and essential performance. 60601-1-2: Medical equipment - Part 1.2: General requirement - Part 1-2: General requirement for Basic safety and essential performance. Connectivities: GSM module, Wi-Fi, Lan, wireless communication, cloud option.

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