



# SoundEar®3

How to Control Noise at Work  
- You need to measure noise to manage it

## 1. Visualize Noise

- Create awareness about noise by visualizing it
- Receive a visual warning when hearing protection is required

## 2. Measure Noise

- Type II certified sound meter
- Microphone calibration through software

## 3. Monitor Noise

- 24/7/365 noise monitoring through SoundEar Software
- Email notifications at critical noise levels
- Automatic noise reports

## 4. Manage Noise

- Analyze noise in SoundEar Software
- Use Insights to implement noise reducing initiatives

# SoundEar®3

Measure, monitor and manage noise in multiple locations

## With the wireless noise measuring 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.



- Up to 235 different locations
- Data transport via wireless USB dongle

## MONITOR

- 24/7 monitoring
- Non-stop surveillance up to 6 weeks
- All data is organized automatically in a simple calendar system



## SoundEar®3 – 300, 310, 320 Specifications

<b>Parameters:</b>	Measures 3 measurements simultaneously LAF; LAS; LCpeak; Laeq, 1s, Laeq 1/4 h, Laeq 1/2h, Laeq 1 h.
<b>Resolution:</b>	0,1 dB for all parameters
<b>Measuring Ranges:</b>	RMS: Total 30 - 120 dB
<b>Deviation:</b>	+/- 0,5 dB
<b>Frequency Range:</b>	20Hz - 20 kHz
<b>Frequency Weightings:</b>	A- weighting (RMS), C-weighting (Peak)
<b>Time Weighting:</b>	Slow (1S) & Fast (125 ms)
<b>Dynamic Range:</b>	90 dB and peak detection
<b>Light setting:</b>	full configurability through Soundear software including nightsetting.
<b>2 x outputs :</b>	0-10 V or 4-20 mA
<b>2 xUSB outputs:</b>	Micro USB (power & PC), USB OTG (Log, configuration)
<b>Display setting:</b>	LAeq 1 s., Alarm level and Clock
<b>Power Supply:</b>	5VDC (Micro USB) / 24VDC (Screw terminal)
<b>Current Consumption:</b>	max 2,5 W
<b>Internal memory:</b>	16 MB (128 Mbit) (ca. 650 days log time)
<b>Real Time Clock:</b>	Hi-precision type with battery backup (CR2032)
<b>Microphone:</b>	20 Hz- 20 kHz
<b>Measurement 300/310:</b>	Length 256 mm, Width: 205 mm, Height: 45 mm, Weight: 1,5 kg
<b>Measurement 320:</b>	Length: 150mm, Width: 120mm, Height: 45mm, Weight: 0.45 kg.
<b>Measurement 3XL:</b>	Length: 595mm, Width: 412mm, Height: 59mm
<b>Standards:</b>	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. Connectivity accessories: GSM module, 4 G module for Cloud solution.



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