# Gamma Safety

# SoundEar®3

## Measures, visualizes, documents and analyzes the noise

**WiFi**

**3G** **4G**

**72.6**

SoundEar 3

**SoundBuster**
A · ON · OFF · RESET · B

### ALARM
- Receive SMS notifications at critical noise levels
- Switch off the power with Sound-Buster relay box if noise limits are exceeded repeatedly

### 868 MHZ/915 MHZ
- Up to 235 different locations
- Data transport via Amber wireless USB dongle

### 2 MEASUREMENTS
for Industrial devices and systems

### CONFIGURE
- Adjust light settings and visual alarm
- Select output
- Set log settings

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

# SoundEar 3 – 310
## Measure, document, visualize and analyze noise levels

The SoundEar 3 – 310 is an ideal tool to monitor and map the noise environment in the industrial work setting.
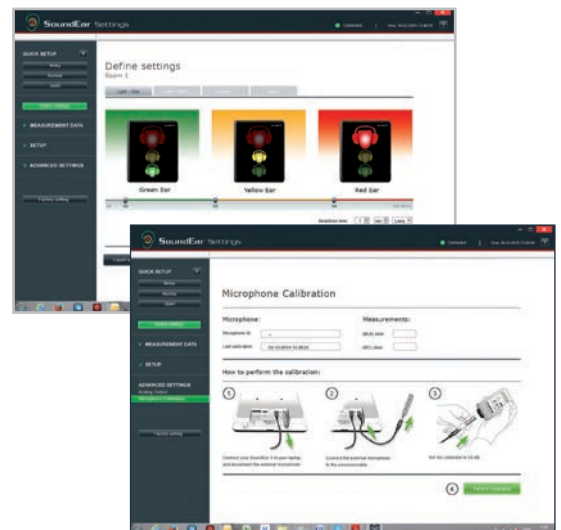
With SoundEar 3 - 310 you get a visual alarm signal, when noise reaches critical levels and hearing protection is required, making it easy to remember when to put on hearing protection.

### Connectivities:
The SoundEar 3- 310 has a wide range of connectivities, including USB, Wireless, as well as 3G/4G, WiFi and Cloud compatibility.

### Features:
- Easy to understand visualization of current noise levels
- Visual alarm when hearing protection is required
- Including software to monitor noise levels
- Receive notifications of critical alarm levels via email
- Measuring range from 30 dB to 120 dB
- Built-in log that saves LAeq measurements for up to 90 days
- Easy transfer of data to the SondEar software via USB
- Wireless transfer of data to the SoundEar software
- All measurements are saved in a CSV format and can be opened in Excel

SoundEar®3 – 300

SoundEar®3 – 320

SoundEar®3 – 310

*SoundEar®3 software.*

### Technical specifications:

| | | | |
|---|---|---|---|
| Frequency Range: | 20 Hz – 20kHz | Power Supply: | 5VDC (micro USB) / 24VDC (screw terminal), |
| Measuring Level Range: | 30 dB – 120 dB | | Current consumption: max 2.5W. |
| Accuracy: | +/- 0.5 dB | Microphone: | 20 Hz – 20 KHz |
| Frequency Weighting: | dB(A) and dB(C) filters | Mass Storage (Internal memory): | 16MB (128MBit) (5-90 days log time, |
| Time Weighting: | Slow (1S) & Fast (125mS) | | depending on log settings) |
| Dynamic Range RMS: | 90dB and Peak detection | Real Time Clock: | High-precision type with battery backup |
| Light managing: | Full configurability through SoundEar software, including night setting | | (CR2032). |
| | | Mechanical Features: | Cabinet: Shockproof acrylic |
| Alarm settings: | 30-120 dB | Measurements: | length: 265 mm,  width: 205 mm, height: |
| Alarm trigger display: | 1 sec – 5 min | | 46 mm Weight: 1.5 kg |
| 2 x Outputs  (1 for dB A + 1 for dB C): | Either 0-10V or 4-20mA outputs | Standards: | |
| 2 x USB ports: | Micro USB (Power & PC), USB OTG (Log, config) | 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 | |
| Display Data: | dB(A) Slow, Leq(A)15, Alarm settings, Temp, Clock | | |