NoiseMeters
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SoundEar 3 Advanced Noise Warning Sign

Features

- Individual noise trigger levels for red, yellow and green
- Digital display of sound level in dB
- Daytime and nighttime modes (levels and display options)
- Data logging with download to USB stick
- Low noise floor for quiet environments
- Weatherproof outdoor version available

Applications

- Hospital noise
- Offices and open plan working environments
- Call centers
- Schools - study rooms, libraries

Advanced Noise Sign

The SoundEar 3 is the top of the noise warning sign range, adding many useful features to those offered in the SoundEar II. This version of the SoundEar is ideal for carrying out long term noise checks but also giving an instant and clear warning of high noise levels.

Modes of Operation

The SoundEar 3 can be set to have different sound level triggers and displays (lit or flashing) depending on the time of day. For example, noise in a hospital is often more important at night, but a flashing light is not so desirable. The sign can be set to light up at a lower sound level at night and not to flash. You could even set it to only show the central red light at night and leave the green and yellow switched off.

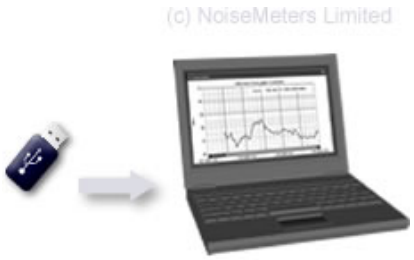
You can connect the SoundEar 3 to a computer and use the software that is included to configure it. If you have a number of noise signs to configure then the software can write the settings to a memory stick. When you plug the stick in to each sign it will automatically configure it.

External Microphone

The SoundEar 3 is supplied with a plug-in microphone. It connects at the bottom of the sign and remains out of sight and out of harm's way. However, if you need to mount the microphone away from the sign then you can use a microphone extension cable, which should be ordered separately, order code SE3EXT.

Data Logging and Software

The SoundEar 3 has a large internal memory that stores the sound level every minute. When downloaded to a computer this gives a detailed graph of the noise throughout the day. A standard memory stick is the easiest way to transfer the noise measurements from the SoundEar to a computer.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Outputs and System Integration

The SoundEar 3 can output the sound level in two different forms, making it suitable for integration with other monitoring and control systems. Using the software supplied you can configure the outputs to be either DC 0 to 10V or current loop 4-20mA. Two outputs are available and can be set to different noise parameters.

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Specifications

Technical Specifications

Frequency Range	20Hz to 20kHz
Measuring Range	30 to 120 dB
Deviation	± 0.5 dB
Frequency Weighting	"A" ("C" weighted Peak)
Time Weighting	Fast and Slow
Digital Display	dB(A) Slow, LAeq, Alarm settings, Clock
Outputs	"A" weighted, 0-10V or 4-20mA
USB Ports	1. Micro USB (power and PC connection)2. USB Controller (for USB memory stick connection)
Internal Memory	16MB (128MBit) - 600 days
Cabinet	Shockproof acrylic
Dimensions	265 x 205 x 46 mm, 10.4" x 8" x 1.8"
Weight	1.5 kg, 3.3 lb
Power	5 VDC (micro USB) or 24 VDC (screw terminal)Max 2.5W
Acoustic Standards	IEC61672-2-2002 Class 2, ANSI S1.4 Type 2
Medical Standardswith P-SE3-MED adapter	60601-1: Medical electrical equipmentPart 1: General requirements for basic safety and essential performance.60601-1-2: Medical electrical equipmentPart 1-2: General requirements for basic safety and essential performance.

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Web Sites

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https://www.noisemeters.com

Product shortcut:
https://www.noisemeters.com/p/se3ear/

Tech Support:
https://support.noisemeters.com