NoiseMeters

Phone: +44 130 677 0855
Email: info@noisemeters.com

SoundEar 3 Advanced Industrial Noise Warning Sign

Features

- Individual noise trigger levels for red, yellow and green
- Digital display of sound level in dB
- Data logging with download to USB stick
- Output via 4-20mA current loop or 0-10V DC
- Weatherproof outdoor version available

Applications

- Factories
- Industrial sites
- Hearing protection - time to act
- Intermittent Noise - warn when it gets high

Industrial Noise Sign Overview

The SoundEar 3 is the top of the Industrial range of noise warning signs, with advanced display configuration, measurement storage and outputs to integrate with other monitoring systems.

This version of the SoundEar Industrial is ideal for carrying out long term noise checks but also giving an instant and clear warning of high noise levels.

Instant Warning

The SoundEar 3 Industrial is usually set up to let people know that the sound levels are getting high, with the red light coming on when action needs to be taken - either reduce the levels or use hearing protection. There are many ways to configure this version of the noise sign. Please visit the Displays page for more information.

Each of the lights (green, yellow, red) can be configured to come on at different levels, and they can flash for better visibility. A common setting would be to have the green light on all the time, to remind people that the sound levels are being monitored, the yellow light could be set to light up when the surrounding noise is 80dB(A) and the red light flashing when it exceeds 85dB(A).

Data Logging and Software

The SoundEar 3 Industrial 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 USB memory stick is the easiest way to transfer the noise measurements from the SoundEar to a computer.

External Microphone

The SoundEar 3 Industrial has a plug-in microphone. It connects at the bottom of the sign and remains out of sight and out of harm's way. 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.

Outputs and System Integration

The SoundEar 3 Industrial 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.

See the **Outputs** tab for more information.

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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, LAeq1s, 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.

Head Office

NoiseMeters Ltd
7 Jayes Park
Ockley
Surrey
RH5 5RR

Telephone **+44 130 677 0855**
Fax **+44 845 680 0316**

Email: **info@noisemeters.com**
Support: **support@noisemeters.com**

Web Sites

Main site:
https://au.noisemeters.com

Product shortcut:
https://au.noisemeters.com/p/se3ind/

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