NoiseMeters

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SoundEar 4 XL Extra Large 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
- Wi-Fi, USB and Modbus TCP connections available

Applications

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

Overview

The SoundEar 4 XL is an Extra Large version for the standard SoundEar 3 Industrial Noise Sign. It is about twice as tall and twice as wide as the standard unit.

This version of the SoundEar Industrial is ideal for larger areas where the standard industrial noise sign may not be visible enough.

Instant Warning

The SoundEar 4 XL 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. A noise exposure indicator (on the left of the noise sign) warns of the effect of high noise levels over the working shift. 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 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 4 XL Industrial has a large internal memory that stores the sound level every second. When downloaded to a computer this gives a detailed graph of the noise throughout the day. A USB memory stick or Wi-Fi connection can be used to transfer the noise measurements from the SoundEar XL to a computer. More information on the **Software** tab.

Outputs and System Integration

The SoundEar 4 XL Industrial comes with Wi-Fi connectivity for connecting to the SoundEar software or to the cloud for real-time data management. It also includes Modbus TCP for integration with other systems.

External Microphone

The SoundEar 4 XL 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.

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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
Connectivity	WiFi for Cloud and Modbus TCPUSB-C for power supply (max 2.5 W) and PC configurationUSB-A for data export to USB drive
Internal Memory	16MB (128MBit) - 600 days
Dimensions	500 x 380 x 60 mm, 19.7" x 15" x 2.4"
Power	5 VDC (USB-C) max 2.5W
Acoustic Standards	IEC61672-1 Class 2, ANSI S1.4 Type 2

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Web Sites

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

Product shortcut:
https://www.noisemeters.com/product/soundear/se4indxl/

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