NoiseMeters

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doseBadge Industrial Noise Dosimeter

Features

- Strong metal case
- Shoulder mounted noise dosimeters
- OSHA or NIOSH noise dose
- No cables, controls or display

Applications

- Occupational noise surveys
- OSHA or NIOSH noise regulations
- Factory noise
- Noise dosimetry
- Hearing protection
- Mining - see Intrinsically Safe doseBadge

Overview

The Industrial version of the doseBadge is for measuring the noise dose or noise exposure of workers in line with the OSHA or NIOSH regulations.

The doseBadge is mounted on a worker's shoulder in order to measure close to the ear, held in place by clips to the worker's clothing. It measures the sound levels throughout the work shift and provides the noise dose % and time weighted average (TWA) along with many more parameters. When downloaded to a computer it even provides a graph of the sound levels throughout the shift, so you can see when the noisy times were.

Virtually Indestructible

The doseBadge Industrial is enclosed in a cast alloy case, making it extremely strong but lightweight. Drop it and stand on it, but it will be fine.

Protected within the alloy case is the microphone, acoustic processor and rechargeable battery. To reduce the risk of damage and tampering there are no controls or display on the doseBadge itself.
Measurements are started and stopped using the **doseBadge Reader**, which is included in the kit.

Occupational Noise Regulations

The noise exposure rules for most industries in the U.S. are set by OSHA or NIOSH. The action levels for these two bodies are different, as are the noise parameters that should be measured. While we have noise dosimeters that can be set to meet multiple regulations, the doseBadge Industrial keeps things simple by working to either OSHA or NIOSH regulations.

- OSHA noise - order codes CK112/x
- NIOSH noise - order codes CK110/x

'x' is the quantity of doseBadges in the kit.

It is important that you use a noise dosimeter that meets the standards, in the case of noise dosimeters this is ANSI S1.25, and that you use a Calibrator before and after every measurement to check the dosimeter's function. The doseBadge meets these requirements.

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Specifications

Standards	ANSI S1.25:1991 Personal Noise Dosimeters Class Designation 2AS-90/80-5 IEC 61252:1993 Personal Sound Exposure Meters Reader's Acoustic Calibrator to IEC 60942:2003 Class 2
Range	70 dB(A) to 130 dB(A) RMS 120 dB(C) to 140 dB(C) Peak
Stored Functions	doseBadge Settings, Calibration Record Measurement Duration, Highest Peak (C) Sound Level Overload Exceedance, Battery Status 115 dB(A) Maximum Sound Level Exceedance 1 Minute Time History of: Lavg (OSHA version), LAeq (NIOSH version), Peak Level, Battery Level Lavg or LAeq, TWA, % Dose, Estimated % Dose
Weightings	"A" for all RMS measurements. "C" for Peak Sound Pressure
Configuration	(second channel on NIOSH model) Exchange Rate (3dB, 4dB or 5dB) Criterion Level (80dB, 85dB, 87dB, 90dB) Criterion Time (8hrs, 12hrs, 16hrs, 18hrs) Threshold (None, 80dB, 85dB, 90dB) Time Weighting (None, Slow)

Physical Properties

Memory	doseBadge: up to 24 hours of data in a single measurement Reader: up to 999 individual doseBadge measurements
Power	doseBadge: NiMH rechargeable battery Reader: 2 x AA/LR6 CU:195A Power Adapter
Outputs	doseBadge: Infrared to RC:110A Reader Unit Reader: USB 2.0 to computer
Dimensions	Mic. Apex Ø 0.5", Base Ø 1.8", Height 1.5"
Weight	doseBadge: 1.6oz Reader: 14oz
Temperature	14°F to +122°F Operating -4°F to 140°F Storage
Humidity	Up to 95%RH Non-Condensing

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Web Sites

Main site:
https://noisemeters.com

Product shortcut:
https://noisemeters.com/product/cr/dosebadge/industrial/

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