NoiseMeters
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doseBadge Pro Noise Dosimeter

Features

- Strong anti-tamper design
- Data logging with schedule timers
- Multiple channels for all regulations
- Real-time octave band filters
- Bluetooth and mobile app
- Fast charge time

Applications

- Occupational noise surveys
- Noise at work assessments
- Noise exposure measurements
- Factories and industrial sites
- Hearing protection assessment

doseBadge Professional Overview

The doseBadge Professional is a high specification noise dosimeter for monitoring a worker's exposure to high noise levels in the workplace. It mounts on a worker's shoulder in order to measure the total noise exposure throughout the working day or shift. This Professional version makes all the measurements of the lower cost Industrial doseBadge but adds a number of useful features for a deeper analysis of the sound levels, better measurement control and more detailed reporting.

Noise Regulations

The doseBadge Pro can be configured to comply with any occupational noise regulations, standards or guidelines. As it has four independent channels or integrators, it can be configured to meet multiple regulations at the same time.

For regulations such as OSHA in the USA, the doseBadge Pro can be set up to measure to both OSHA HCA and OSHA PEL at the same time. Maybe even add an ISO (3dB) channel so you have historic measurements in case the OSHA regulations change at some time!

doseBadge Industrial or doseBadge Professional

The doseBadge Industrial is a slightly lower cost noise dosimeter that offers the functions required by the regulations, but of course doesn't have many of the advanced features offered by the Professional.

The following features are only available in the Professional version:

- Timers to start measurements automatically
- Real-time octave band filters
- Easier and better selection of hearing protection
- Bluetooth link to mobile phone app (see **Software** tab)
- 4 independent channels for combined regulations
- Docking station for charging and USB download
- Internal shock sensor to detect impact and tampering

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Specifications

doseBadge Pro Specifications

Standards	IEC 61252:1993 +AMD1:2000 Personal Sound Exposure Meters IEC 61252 Ed 1.1 (2002-03) Personal Sound Exposure Meters ANSI S1.25:1991 (R2017) Personal Noise Dosimeters IEC 61260-1:2014 Class 2 (Octave Bands from 63Hz to 8kHz) ANSI S1.11-2014 Class 2 (Octave Bands from 63Hz to 8kHz)
Range	RMS Range - 60 dB(A) to 140 dB(A) Peak Range - 80 dB(C) to 143 dB(C) Octave Bands - 70 dB(A) to 140 dB(A)
Functions	4 Simultaneous Independent Integrator Channels 2 Simultaneous Independent Peak Channels 1:1 Octave Bands (63Hz to 8kHz)
Parameters	Measurement duration, Start time & date, Instrument serial number & name Calibration information (field & factory calibration), Overload & Tamper sensor detection
Integrator Params	Average Integrated Sound Level (Leq/ Lavg), Time Weighted Average (LEP,d/LEX,8/TWA) Sound Exposure & Estimated Sound Exposure, % Dose & Estimated % Dose, Upper Limit Duration SPL Max Level & Time, SPL Min Level
Peak Channel	Overall LPeak level for each channel (Up to 2 channels)
Octave Bands	Overall unweighted Leq for each octave band (63Hz to 8kHz)
Communication	Bluetooth Wireless communication to the RC120A Wand Bluetooth Wireless communication to the dBLink App (Android & iOS) USB download to NoiseTools via the doseBadge Dock
Integrator Options	Channel name - Preset or user defined Exchange rate - 3, 4 or 5 dB Criterion Level - 80 dB to 100 dB in 1 dB steps Criterion Time - 1 hr to 24 hrs in 1hr steps Threshold Level - None, 70 dB to 100 dB n 1dB steps Time Weighting - Fast, Slow or None Frequency Weighting - A, C or Z Upper Limit Level - 70 dB to 140 dB in 1 dB steps Upper Limit Time Weighting - None, Fast or Slow Upper Limit Freq. Weighting - A,C, or Z SPL Max Time Weighting - Fast or Slow SPL Max Freq Weighting - A,C or Z LED Threshold Trigger - User selectable channel with user selectable % Dose trigger levels (75% to 100% in 5% steps)
Peak Options	Frequency weighting - A,C or Z (2 channels)
Calibration	Automatic detection of external acoustic calibration User configurable calibration level (typically 114dB or 94dB)
Data Logging	1 second or 1-minute time history data (user selectable)
Memory	Up to 80 hours of Time History Data for each channel including 1:1 Octave Bands Up to 40 individual measurements Maximum duration of any single measurement: 24 hours
Dimensions	66 mm x 43 mm x 53 mm (excluding clips) 2.53" x 1.69" x 2.01" (excluding clips) 85 g/2.9 oz

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Web Sites

Main site:
https://noisemeters.com

Product shortcut:
https://noisemeters.com/p/ck120/1/

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