

PRODUCT DATA

Noise Dosimeter

Model ASV 5910+

Introduction

Model ASV 5910+ noise dosimeter is used for personal noise exposure measurements around the workplace. With attractive design, the ASV 5910+ is mini-sized and easy to cooperate. It adopts modular design which makes ASV 5910+ is multifunction.

The ASV 5910+ has dual dosimeters and can make data logging. It offers simultaneous A-weighted, C-weighted, Z-weighted and independent exchange rates 3,4, 5,6 for each dosimeter. The ASV 5910+ can make simultaneous measurement of numerous monitoring indexes through dual channels. It serves as sound level meter, statistic and noise spectrum analysis analyzer, noise dosimeter, digital recorder, etc.

The measurement data can stored in ASV 5910+ as well as can download to a PC via the USB port. The ASV 5910+ include a PC software package (*personal noise dosimeter management software for ASV 5910+*) which handles data transfer, setup, export of data and instrument simulate.

Equipped with rechargeable lithium polymer battery make the -ASV 5910+ keep continuously operating over 30 hours after fully charged.

The ASV 5910+ is quick and easy to fit to shoulder, arm or wrist. which

Key Features

- ∞ Attractive design, mini-sized and weighs only 85g
- ∞ Modular design, cable-free
- ∞ Comply with IEC61672, IEC61252 and ANSI S1.25
- ∞ Rechargeable lithium polymer battery
- ∞ Software package, downloads to PC
- ∞ Variety mounting methods

Uses

- ∞ Precision noise measurement
- ∞ Sound level logging and precision recording
- ∞ Personal noise exposure measurement in the workplace
- ∞ Occupational noise evaluation



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Specification

Applied Standards:

IEC 61252:2002 Personal Sound Exposure Meters
ANSI S1.25:1991 Personal Noise Dosimeters
IEC 61672 Class 2

Technical:

Microphone: 1/4 inch prepolarized condenser field replaceable threaded microphone
Measurement Range: 40-140 dBA, 45-140 dBC, 55-140 dBZ (sensitivity: -53 dB)
Peak C Measuring Range: 70 to 143 dB
Frequency Range: 20Hz to 12.5kHz
Frequency Weightings: Parallel (simultaneous) A, C, Z
Time Weightings: Parallel (simultaneous) F, S, I, Peak
Selectable thresholds : 40 to 90 dB
Exchange rates: 3, 4, 5 and 6
Selectable criterion: 70 to 90 dB
Dose exposure range: 0.01Pa²h ~ 99.99Pa²h
Noise dose measuring range: 0% ~ 9999%
Memory capacity: 128kB FLASH RAM. If do logger step 1 min, the memory can continuously do data logging 12 hours.
Calibration information: Calibration dates, times, and levels
Embedded software: Integrating Function, Statistical Analysis Function
Security: Lock via keys
Power supply: Rechargeable lithium polymer battery
Battery life: Over 30 hours run capacity
Dimensions: 68(H) × 48(W) × 20(D)mm
Weight: 85 g
Working Temperature: -15°C ~ 50°C
Display: 128 × 64 OLED
Output: Mini USB port
CD: Noise dosimeter Management software can do time/ history diagram
Optional function: 32G TF card memory and Precision recording, 1/1 Octave analysis

Measure Parameters:

L_{XYp}, L_{Xeq,T}, L_{XYmax}, L_{XYmin}, L_N (Note: X is A, C, Z; Y is F, S, I; N can be 1-99)

SEL, L_{ex,8h}, L_{avg}, TWA, DOSE, E, SD, L_{xpeak}



Three affordable models



- ∞ The ASV 5910+-1 model features ---datalogging/time history and statistical analysis function and 128kB FLASH RAM
- ∞ The ASV 5910+ -2 model features ---datalogging/time history, Recording function and 32GB storage
- ∞ The ASV 5910+ -3 model features ---datalogging/time history, Recording function and 32GB storage, Octave frequency analysis function.

Measurement Kits

- ∞ Standard kits of 5 units of ASV 5910+ noise dosimeter and a unit of sound calibrator
- ∞ A small case holds 1 units of ASV 5910+

Usually, ASV 5910+ measurement kits are with 5 units of noise dosimeters and including a AWA6221C sound level calibrator a HUB concentrator, USB cable, user manual and personal noise dosimeter management software for ASV 5910+



ASV5910+ with crocodile clip

- ∞ Comfortable to wear on the shoulder
- ∞ Safe and secure



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