

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 12 hours after fully charged.

The ASV 5910 is quick and easy to fit to shoulder, arm or wrist. which meets for different types of working

Key Features

- ∞ Attractive design, mini-sized and weighs only 85g
- ∞ Modular design, cable-free and dual channels
- ∞ 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
Channel:	Dual channels
Measurement Range:	60-143dBA, 65-143dBC, 70-143dBZ (sensitivity: -53 dB)
Peak C Measuring Range:	80 to 143dB
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 90dB
Exchange rates:	3, 4, 5 and 6
Selectable criterion:	70 to 90dB
Memory capacity:	192KB for ASV 5910-1 2GB for ASV 5910-2
Calibration information:	Calibration dates, times, and levels
Precision recording:	32kHz/16bit, 16kHz/16bit, 8kHz/8bit(optional) for ASV 5910-2
Internal software function:	Integrating Function, Statistical Analysis Function , Recording function
Security:	Lock via keys
Power supply:	Rechargeable lithium polymer battery
Battery life:	Over 16 hours run capacity
Dimensions:	68(H)×48(W)×20(D)mm
Weight:	85g
Working Temperature:	-15°C~50°C
Display:	128×64 LCD
Data Storage:	Maximum 96 groups for ASV 5910-1 ASV 5910-2 has 2GB Flash RAM , maximum 8000 groups
Output:	Mini USB port

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 basic model features has dual dosimeters and can continuously storage 96 groups measurement data.

∞ The ASV 5910-2 has dual dosimeters , recording function and 2 G great capacity storage which can storage maximum 8000 groups measurement data.

∞ The ASV 5910-3 has dual dosimeters, recording function, 2 G great capacity storage and 1/3 -octave frequency analysis function.

Measurement Kits

∞ Standard kits of 5 units of ASV 5910-1 or ASV 5910-2

∞ A small case holds 1 units of ASV 5910

Usually, ASV 5910 measurement kits are with 5 units of noise dosimeters and including a AWA6221B sound level calibrator a HUB concentrator, USB cable, user manual and personal noise dosimeter management software for ASV 5910



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