



Noise Dosimeter

Model ASV 5910

Introduction

Key Features

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.

- ∞ 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

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.

Uses

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.

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

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



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:	60-143 dBA, 65-143 dBC, 70-143 dBZ (sensitivity: -53 dB)
Peak C Measuring Range:	80 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
Memory capacity:	2GB
Calibration information:	Calibration dates, times, and levels
Precision recording:	32kHz/16bit, 16kHz/16bit, 8kHz/8bit, ASV 5910-2&-3 can do recording
Embedded software:	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:	85 g
Working Temperature:	-15℃~50℃
Display:	128×64 LCD
Data Storage:	2GB Flash RAM , maximum 8000 groups
Output:	Mini USB port
CD:	Noise dosimeter Management software can do time/ history diagram

Measure Parameters:

L_{Xp} , $L_{Xeq,T}$, 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
---dual dosimeters, datalogging/time history
and 2GB storage.

∞ The ASV 5910-2 model features
---dual dosimeters, datalogging/time history,
Recording function and 2GB storage

∞ The ASV 5910-3 model features
---dual dosimeters, datalogging/time history,
Recording function and 2GB storage,
1/3 octave frequency analysis function.

Measurement Kits

- ∞ Standard kits of 5 units of ASV 5910-1 or ASV 5910-2 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 AWA6221B 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

