



Noise Dosimeter NB-14

Workplace Noise Measurements for Industrial Safety and Health

The NB-14 noise dosimeter, measures noise exposure for an individual working in a noisy workplace. Measuring and managing noise exposure for individual workers enable early detection and treatment of noise-induced hearing impairment, the adoption of personal hearing protection equipment such as earplugs and earmuffs, and the introduction of effective measures to reduce noise at the source.

<Actual size>

Compact and lightweight

Easy operation

Automatic calibration

USB rechargeable

Simple report generation

Easy operation

Procedure of noise exposure measurement



Automatic sound calibration
(before measurement)



Attachment



Measurement



Automatic sound calibration
(after measurement)



Uploading data to software
(AS-05 Viewer)

Reviewing results with a mobile app

The app will be available on Google Play store.

Measurement result report is generated

Noise Dosimeter Data Management Software AS-05 Viewer

DOWNLOAD Available for free download from the RION website

The AS-05 Viewer Noise Dosimeter Data Management Software reads data measured by the NB-14 Noise Dosimeter into a computer for viewing measurement data and outputting reports.

Main functions

- Device management and settings
- Reading data from the NB-14
- Viewing measurement data (can be output in CSV format)
- Preparation of measurement results reports (can be output as Excel files)

Measurement results report

PERSONAL NOISE EXPOSURE SUMMARY REPORT					
Retention period: 1 years					
Date created: 2023/07/06 13:44					
1. Personal noise exposure measurement results					
No.	Object work	Start/end time Meas. time	Equivalent sound level (L _{eq})	Dose	Permissible exposure time
1		09:00/17:00 8h00m	85.0 dB	100.0 %	8h00m
2			dB	%	
3			dB	%	

Specifications NB-14

Applicable standards	IEC 61252:1993+AMD1:2000+AMD2:2017, IEC 61672-1:2013 class 2, JIS C 1509-1:2017 class 2, VCCI Class B Enables measurements in compliance with ISO 9612. CE Marking •EMC Directive 2014/30/EU •RoHS Directive 2011/65/EU UKCA Marking, WEEE Directive, China RoHS
Measurement function (Measures each calculated value at the same time)	Equivalent continuous A-weighted sound level L _{Aeq} Equivalent continuous C-weighted sound level L _{Ceq} C-weighted peak sound level L _{Cpeak} Percentage of the legal limit of a physical quantity of exposure DOSE
Microphone	UC-52
Store cycle	1 sec.
Measurement level range	Equivalent continuous A-weighted sound level 58 dB to 143 dB Equivalent continuous C-weighted sound level 58 dB to 143 dB C-weighted peak sound level 75 dB to 146 dB
Measurement frequency range	20 Hz to 8 kHz
Display	Power supply status, measurement status, overload/under-range bar graph (Percentage of the legal limit of a physical quantity of exposure DOSE)

Internal memory	Stores approximately 48 hours worth of measurement data
Power	Built-in lithium-ion rechargeable battery (secondary battery) Continuous operating time: 12 hours or more from a fully charged state (within the operating temperature range)
Operating temperature and humidity range	Temperature: -10 °C to 50 °C Humidity: 10 % to 90 % RH (no condensation)
Dimensions, weight	85 mm (H) x 43 mm (W) x 22 mm (D), approx. 72 g (excluding Crocodile clip holder)
Dustproof and waterproof performance	IP54 (excluding microphone part)
Accessories	USB Cradle for Battery Charging and Communication for NB-14**1,2, Dedicated windscreen, Crocodile clip holder *1 Allows settings for the NB-14 to be made from a computer and transfers measurement data to the computer. *2 A separate charger (commercially available) is required for charging. Voltage and current required for charging: 5 V, 185 mA
Optional accessories	Sound calibrator NC-75

Related products

The NC-75 can be used for pre- and post-measurement calibration. Use it for day-to-day management of the NB-14.

Sound Calibrator NC-75



- Compact and lightweight
- High precision
- IEC 60942 Annex B

Ideal for working environment measurements at both outdoor and indoor worksites and for noise measurements of noise sources and workplace noise. Complies with IEC 60942 Annex B.

Sound Level Meter NL-28



- Compact and lightweight
- High performance
- Cost effective



JCSS
JCSS 0197

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* Windows is a trademark of Microsoft Corporation. * Specifications subject to change without notice.

Distributed by:

RION CO., LTD.
<https://rion-sv.com/>

3-20-41, Higashimotomachi, Kokubunji, Tokyo 185-8533, Japan
Tel: +81-42-359-7888 Fax: +81-42-359-7442