

Sound Level Meter class1 NL-63
Sound Level Meter class1 NL-53
Sound Level Meter class2 NL-43



TENTATIVE

Exploring the possibility of Noise Measurement



Sound Level Meter
(class 2)
NL-43



Sound Level Meter
(class 1)
NL-53



Sound Level Meter (class 1)
(With low-frequency sound
measurement function)
NL-63

“Connect” is the keyword of RION’s new sound level meters.

Nowly equipped with LAN terminals, these devices offer various enhanced functions to connect to other communication devices and to maximize the effectiveness of noise measurement tasks. The user interface has been designed to be intuitive and easy to understand for the ultimate in user-friendliness.

3.5-inch  + 
Color LCD with touch panel

3 hardware keys 
Physically operated keys for reliable measurement execution.



Sound Level Meter (class 2)

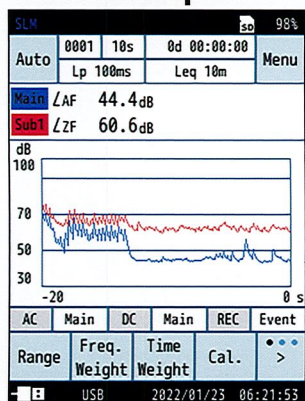
NL-43



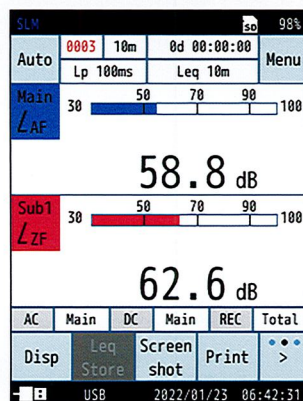
Sound Level Meter (class 1)

NL-53

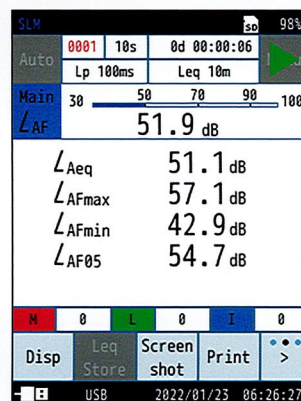
Intuitive operation without the need to refer to manual



Measurement display (Level-Time graph)



Measurement display (instantaneous SPL, 2 channels)



Parameter screen (calculated values)

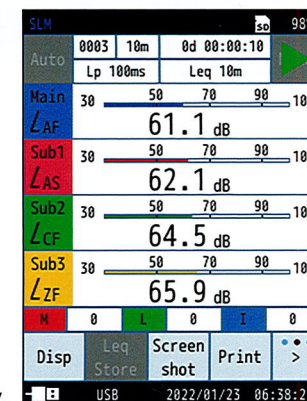


Menu screen

New Feature

Simultaneous measurement for up to four channels.

Set different frequency weighting and time weighting characteristics for each channel to record instantaneous SPL and calculated values. Requiring only one sound level meter unit leads to reduce measurement time significantly.





Sound Level Meter
(class 1)

With low-frequency sound
measurement function

NL-63

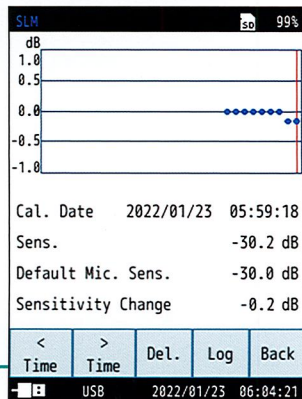
New Feature

**View and manage
a unit's calibration
history and save
to SD card**

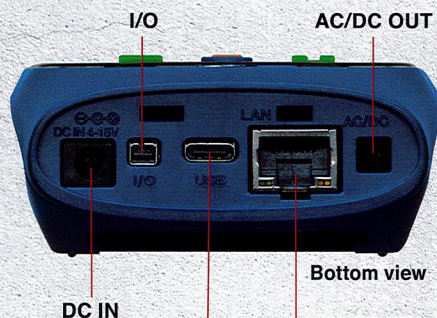
For easily tracking changes in
sound level meter sensitivity
and reliably managing data.



SD card



Feature-packed interface



Bottom view

USB Type-C connector

Compatible with USB power from mobile
battery unit
Enables acquisition of measurement data
or settings changes via communication
commands.



PCs can read the SD card
inside the sound level meter
as a removable disk.



Right-side view

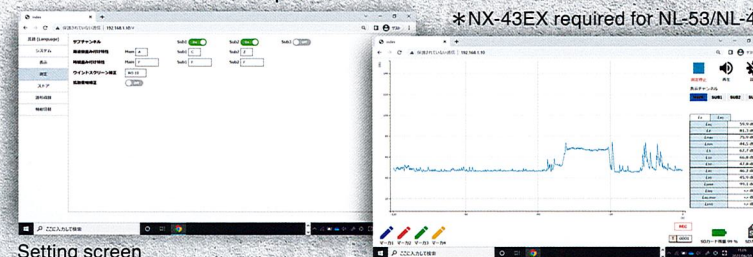
SD card slot



LAN terminal

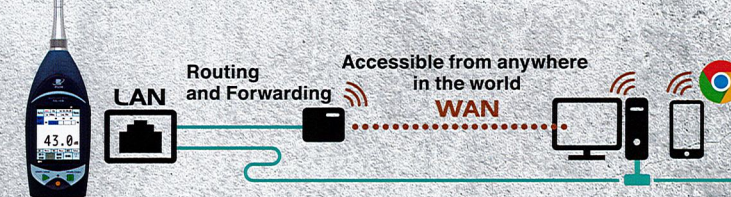
The sound level meter can be connected to a network to allow remote
viewing of measurement data, unit control, and even listening to real-time
sound from PCs or smartphones.

*NX-43EX required for NL-53/NL-43



Setting screen

Measurement screen



Water resistance

IP54 water-resistant performance (except for microphone)

Helps reduce risk of failure due
to sudden rain showers, etc.

*Mounting the all-weather windscreen
or rainproof windscreen boosts
the water resistance performance
of the entire unit, allowing the microphone
to meet IPX3 specifications.



IEC

Comply with the international standards
IEC 61672-1, ANSI/ASA S1.4

Capable of various noise measurements
Newly enhanced functions help achieve your tasks
more comprehensively, with less effort

A range of options to extend functionality
— Frequency analysis functions available as option. —

**For more,
see page 4.**

Optional program function list

Installing the optional programs adds the following functions:

Extended function program ● Auto store function

NX-43EX



Compatible models
NL-43
NL-53
NL-63 (pre-installed)

* Note: Once installed, the NX-43EX program cannot be uninstalled.

This function allows simultaneous, automatic, continuous measurements in L_p mode (instantaneous SPL) and L_{eq} mode (calculated values such as equivalent continuous sound pressure level, percentile sound levels, maximum sound pressure level). The recorded data is saved to an SD card in CSV format. Data can be managed using the AS-60 data management software for environmental measurements and loaded and displayed using spreadsheet or other software.

L_p store cycle

Newly added!

10 ms

25 ms

100 ms

1 s

Following features are newly added to previous model.

● Three types of trigger functions

Measurement starts when a trigger is detected.

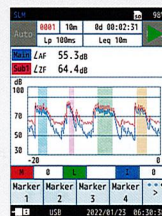
Level trigger

Timer Auto

External trigger

● Four types of marker functions

Users can highlight sections for future lookup/reference.



● LAN function

Allows remote operation of the sound level meter or remote assessments of real-time conditions.



Extended function program

NX-43EX

Install

The NX-43EX allows users add the NX-43WR, NX-43RT, and NX-43FT.



Waveform recording
NX-43WR



FFT analysis
NX-43FT

Coming Soon



Octave, 1/3 octave band analyses
NX-43RT

Coming Soon



Waveform recording program NX-43WR



Compatible models
NL-43*
NL-53*
NL-63

*NX-43EX required for NL-53/NL-43

This function enables users to record sounds while processing sound levels. Recorded data can be played back on computers and used for frequency analysis (uncompressed waveform WAVE file). The data can be processed with waveform analysis software such as AS-70 for graphing, sound pressure calculations, frequency analysis, file output, and sound file playback.

Sampling frequency
(24 bit or 16 bit)

12 kHz

24 kHz

48 kHz

Newly added!

240 Hz

NL-43/53/63

For NL-63 only

Optional programs

Coming Soon



FFT analysis program
NX-43FT

Compatible models NL-43*/NL-53*/NL-63



Octave,
1/3 octave real-time
analysis program
NX-43RT

Compatible models NL-43*/NL-53*



Octave,
1/3 octave real-time
analysis program
NX-63RT

Compatible models NL-63

*NX-43EX required for NL-53/NL-43



JCSS
JC0197

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