



Wide Range Measurement From 1 to 20 000 Hz



Measure Frequencies from 1 to 20 000 Hz. Measure Low-Frequency Sound and Noise with a Single Unit.

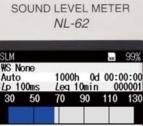
With the auto store function included as standard, as well as a timer function and external power supply support, the NL-62 is ideal for continuous measurement. Designed for intuitive ease of use, there is no more need to consult the manual during a measurement. The large 3-inch color screen is bright and easy to read. Sudden rainfall is also no problem, thanks to the water-resistant construction. Using the optional octave and 1/3 octave band real-time analysis program NX-62RT (under development), the unit can even operate as a frequency analyzer. The High-Precision Sound Level Meter NL-62 supports all your measurement needs.

Equipped with non-slip rubber grips

Large color LCD screen

Three-inch LCD screen with a touch panel High resolution screen is easy to see indoors or outdoors and even in the dark.







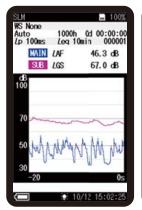


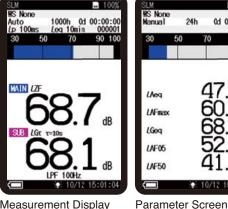
255 mm

10 inch

No paper manual is needed.

The manual and a help function can be easily accessed on the device.





/ Aea

LAFmax

LGeq

LAF05 AF50

Measurement Display (T-L graph)

Measurement Display (low-frequency sound)

Water-resistant (Except for the microphone)

Guaranteed water-resistant to at least level IP54 (resistant to spraying water). Helps reduce failures caused by sudden rain showers.



Use of rechargeable batteries

System (Language)

Store

Option

Top 🔿 Þ

Help ⇔ (Display)

Manu screen

Display

Recal

I/0

Save / Print

₩R

Back ⇔ 💵

1111

0d 00:00:10

90 100

UdB

 $\mathbf{4}_{dB}$

2dB

6dB

dB

In these new models it is possible to use rechargeable batteries which make these meters environmentally-friendly. 16 hour continuous measurement is possible (when using dry alkaline batteries).

sten

Display

leasure

HELP Set the language and the

Back ⇒ Display

elp => (Display)

Top ⇒ Þ

Help screen

1/0

Save

Back ⇔ 🛙



Continuous detailed measurements for one month

This meter can be used to conduct long-term measurements, such as environmental measurements. (If an AC adapter is used)

Duration of recording NL-62

1000 h (approx. one month)

Previous model

200 h (approx. one week)

If the L_P is measured at 100 ms intervals and the L_{eq} is simultaneously measured at 10 m intervals over a 24 h period, the total size of accumulated data is approximately 74 MB (reference value)

Example of detailed recording

Functionality can be extended by a range of options

Add long-term data recording capability and frequency analysis function







1/3 octave band analysis screen (low range)

Analysis screen (x40)

Data management screen using AS-60 software

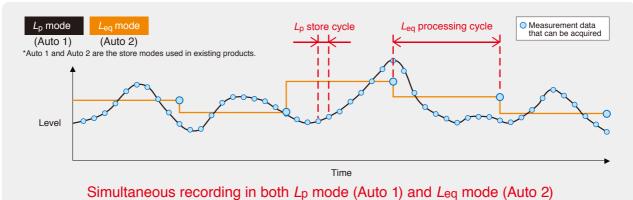
Program function list

Auto store function

This function enables continuous measurement in L_p mode (instantaneous SPL) and L_{eq} mode (equivalent continuous SPL) to be conducted simultaneously.

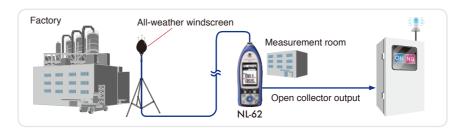


*L*_p mode (instantaneous SPL) and *L*_{eq} mode (equivalent continuous SPL) concept



Comparator function

This function turns on when the open collector output exceeds the set value (max. applied voltage 24 V, max. current 60 mA, allowable dissipation 300 mW).



Continuous data output function

This function enables the continuous acquisition of instantaneous values and processed values during both USB and RS-232C communication.

This is a convenient function for users who can design their own control programs, such as a program to be used as an indicator.

Optional program function list





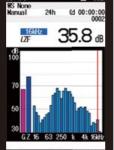
The NX-62RT is supplied on the 512 MB SD card. The 512 MB SD card can be used as a memory card after installing the program.

By adding a program to the NL-62, octave band and 1/3 octave band real-time analysis can be realized. Saved analysis results can be loaded and shown in an overlay graph display together with current analysis data. NC curve graph display and NC value calculation/display are also possible.

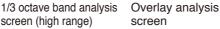


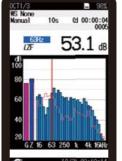
1/3 octave band analysis

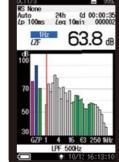
screen (low range)



GZ 16 63 250 k 4k 164k GZ 16 63 250 k 4k 164k → 10/12 15:33:10









1/3 octave band analysis screen (combined bands)

Measurement screen (T-L graph)

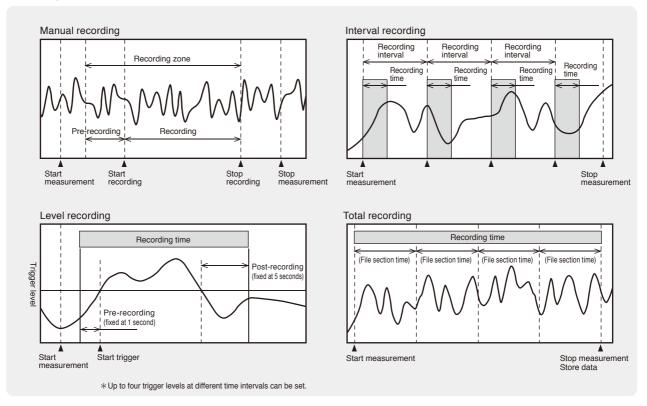
4

Waveform recording program NX-42WR

This function enables users to record sounds and processing sound to process sound levels simultaneously. Recorded data can be played on computer and used for frequency analysis. (Uncompressed waveform WAVE file)

Sampling at 48 kHz, 24 kHz, 12 kHz, Selection of 24 bit or 16 bit

Recording concept

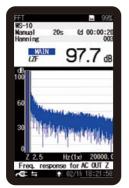


FFT analysis program NX-42FT

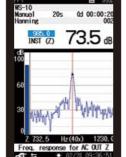


The NX-42FT is supplied on the 512 MB SD card. The 512 MB SD card can be used as a memory card after installing the program.

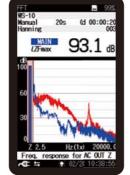
By adding a program to the NL-62, FFT analysis can be performed. The analysis frequency range is 20 kHz, with 8 000 spectrum lines (200 displayed). Saved analysis results can be loaded and shown in an overlay graph display together with current analysis data. Maximum zoom ratio is x40, and the top list screen can show up to 20 lines.



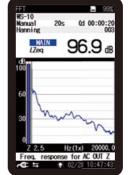
Analysis screen (x1)



Analysis screen (x40)



Overlay analysis screen



Linear average

screen

Manual Hannin		00:00 b0
MAIN LZF	• 8	38.4 de
	MAIN	88.4 dB
1.	1582.5 H	t 66.7 dB
2.	595.0 H	t 65.6 dB
3.	8715.0 H	t 65.0 dB
4.	6340.0 H	64.8 dB
5.	3170.0 H	64.4 dB
6,	6342.5 H	64.2 dB
7.	14462.5 H	64.0 dB
8.	10400, 0 H	63.8 dB
9.	15847.5 H	t 63.8 dB
Freq.	100CE A 11	for AC OUT Z
- (T)		2/28 10:48:3

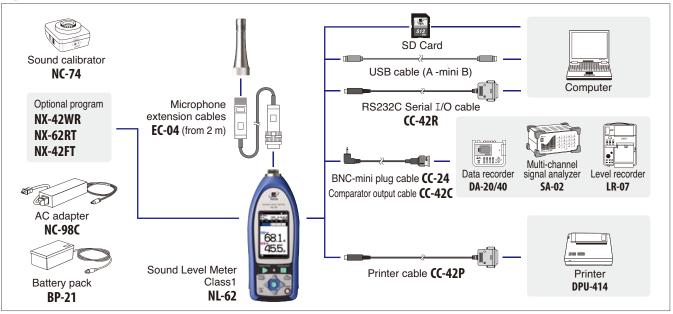
Top list screen

The NX-42WR is supplied on the 2 GB SD card. The 2 GB SD card can be used as a memory card after installing the program.

Maximum recording time (16 bit)

J	-7	
Memory card Sampling frequency	512 MB	2 GB
48 kHz	1 h	4 h
24 kHz	2 h	8 h
12 kHz	4 h	16 h

System construction



Peripheral devices

All-weather windscreen WS-15



This windscreen is designed for outdoor installations. It helps to reduce wind noise and is equipped with rainproof features that satisfy the **IPX3 water-resistant** specifications. It is used with a microphone extension cable. (Mounting adapter WS15006 required separately)



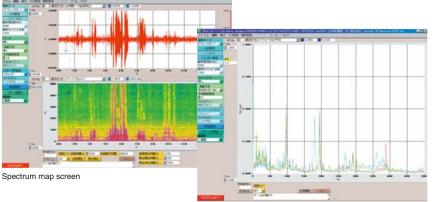
Rain-protection windscreen

This screen protects the microphone against rain for a short period of time. The rainproof performance of this windscreen is designed to satisfy the **IPX3 water-resistant** specifications.

Waveform analysis software

CAT-WAVE (made by CATEC Inc.)

This software analyzes and stores data files (recorded by the NX-42WR) in the WAVE format. You can select to perform FFT analysis or octave band analysis.



Overlapping Screen

Sound calibrator NC-74



This Sound calibrator conforms to IEC 60942 (JIS C 1515), Class 1, providing a level of performance sufficient for calibrating the precision sound level meter.

Specifications Nominal acoustic pressure level 94 dB Nominal frequency 1 kHz

Tripod

Specifications

Waveform

FFT

analysis

Display

function

Analysis

points

Display

function

This stand can be used for general acoustic measurements. The sound level meter and microphone can be mounted on the stand.



Scaling of time base,

64 to 32 768 points

differential and integral calculus

Power spectrum, cross-spectrum, transfer function (amplitude),

transfer function (phase), coherence function, power spectrum map, octave map, differential

(For All-weather windscreen WS-15, use of ST-81 is recommended.)

		and integral calculus for spectral areas	
Octave	Applicable	IEC 61260 (JIS C 1514) Class 1	
band	standards		
analysis	Analysis	Octave band	
	frequency	0.5 Hz to 8 kHz (15 bands),	
	range	1/3 octave band	
		0.4 Hz to 10 kHz (45 bands),	
		1/12 octave band	
		0.36 Hz to 11 kHz (180 bands)	
Recomme	nded operat	ing environment	
CPU	Intel Core	™2 Duo 2.4 GHz or higher	
RAM	2 GB or more		
HDD	60 GB or	60 GB or more (free space)	
DISPLA	Y SXGA (12	80 × 1024) or more	
OS	Microsoft	Windows XP Professional 32 bit,	
	Vista Bus	iness 32 bit, 7 Professional 32 bit and 64 bit	

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Complete software for environmental measurements

Data management software for environmental measurement AS-60

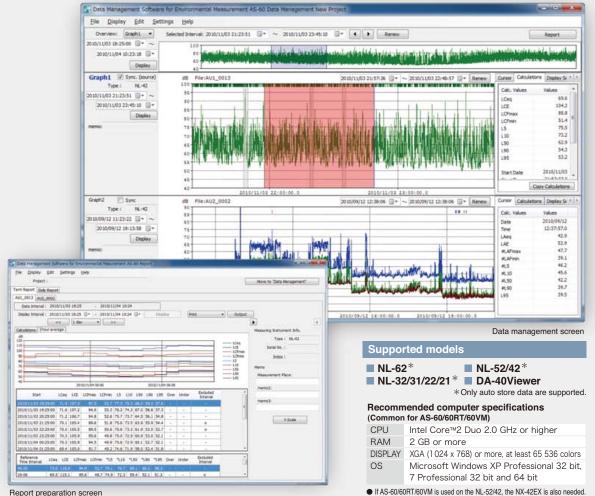
Data management software for environmental measurement AS-60 enables the graph display of measurement data, arithmetic processing, exclusion sound processing, preparation of reports, output of files, and playback of real sound files.

Easy to use

- Reports easy to prepare
- Simultaneous display of multiple Data on the data recorder can be data items (up to 8 data items)

loaded (CSV file for DA-40 Viewer) ment New Pr

Data combination



Data management software for environmental measurement AS-60RT (Includes the octave and 1/3 octave data management software)



Adds support for handling octave band analysis data to AS-60

AS-60RT is for managing data saved with the NX-62RT/42RT or data measured with the NA-28 on a computer.

Supported mo	dels
NX-62RT *	NX-42RT *
NA-28 *	*Only auto store data are supported.

Data management software for environmental measurement AS-60VM (Includes the vibration level data management software)

Adds support for handling data measured with VM-53A to AS-60

upported mod	els
VM-53A*	*Only auto store data are supported.

Specifications

easurement funce Processing (ma Processing (ma Processing (sut Additional proce additional proce Sensitivi easurement rang herent A-weigh C-weigh G-weigh G-weigh G-weigh T-weigh me weighting requency weightin me weighting svel range Bar graph display ra	ISO 7196: 1995 ANSI S1.4-1983 Type 1 ANSI S1.4-1983 Type 1 ANSI S1.4A-1985 Type 1 ANSI S1.4A-1985 Type 1 JIS C 1509-1: 2005 Class 1 CE Marking (EMC Directive 2004/108/EC, Low Voltage Directive 2006/95/EC), WEEE Directives, Chinese RoHS (export model for China only) stctions Simultaneous measurement of the following items, with selected time weighting and frequency weighting ain ch) Instantaneous sound pressure level: L_p Equivalent continuous sound pressure level: Leq Sound exposure level: L Maximum sound pressure level: Lmax Minimum sound pressure level: Lmax Minimum sound pressure level: Lp Tercentile sound levels: Lv(0.1 to 99.9 %, 0.1-increment steps, max. 5 values) ib ch) Instantaneous sound pressure level: Lp	Data recall Setup memory Waveform recording *2 File format Sampling frequency Data length Outputs DC output Output voltage AC output Output voltage Comparator output Data continuous output USB RS-232C communication Data continuous output Type of Instantaneous value Output interval Print out Power requirements Battery life (23 °C) AC adapter External power voltage Current consumption Ambient Temperature Frittons Humidity	Start up via file settings previou Uncompressed waveform WAV Select 48 kHz, 24 kHz or 12 kH Select 24 bit or 16 bit Output DC signals using a frequenc 2.5 V, 25 mV / dB at bar graph of Output AC signal using frequen C, Z, G weighting 1 V (rms values) at bar graph d Turns on when the open-collect (max. applied voltage 24 V, max. Allows USB to be controlled via of Allows USB to be controlled via of Lp Leq, Lmax, Lmin, Lpeak 100 ms Printing of measurement results Four IEC R6 (size AA) batteries (alkalif	E file z cy weighting characteristic selected by proce display full scale cy weighting selected by processing or isplay full scale or output exceeds the set value current 60 mA, allowable dissipation 300 computer and recognized as a removabl communication commands ation via use of a dedicated cable s on dedicated printer DPU-414 ne or rechargeable batteries) or external power s Ni-MH secondary battery: 16 h
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Processing (sub Additional proce easuring time crophone Type Sensitivi easurement rang bise C-weigh G-weigh Z-weigh requency range requency weighting svel range Bar graph display ra	Equivalent continuous sound pressure level: Leq Sound exposure level: LE Maximum sound pressure level: Lmin Percentile sound levels: LN(0.1 to 99.9 %, 0.1-increment steps, max. 5 values) Ib ch) Instantaneous sound pressure level: Lp One of the following can be selected: C-weighted average sound level: Lceq C-weighted average sound level: Lceq C-weighted peak sound level: Lceq C-weighted peak sound level: Lceq C-weighted average sound level: Lceq Max. value of I-time-weighted average sound level: LAImax * Because additional processing frequency characteristics are linked to sub channel frequency characteristics are selected for sub channel. When C, G, or Z characteristics are selected LCeq and LCpeak, Leeq, and Lcpeak, Leeq, and Lcpeak, Leeq, and Lcpeak, Leeq, and Lapeak, Leen,	Comparator output USB RS-232C communication Data continuous output Type of Instantaneous value data Processed value Output interval Print out Power requirements Battery life (23 °C) AC adapter External power voltage Current consumption Ambient Temperature	1 V (rms values) at bar graph d Turns on when the open-collect (max. applied voltage 24 V, max. Allows USB to be connected to a Allows USB to be controlled via c Allows for RS-232C communica Lp Leq, Lmax, Lmin, Lpeak 100 ms Printing of measurement results Four IEC R6 (size AA) batteries (alkalin Alkaline battery LR6 (AA): 16 h At the maximum * Depends on NC-98C 5 to 7 V (rated voltage: 6 V)	or output exceeds the set value current 60 mA, allowable dissipation 300 computer and recognized as a removable communication commands attion via use of a dedicated cable s on dedicated printer DPU-414 ne or rechargeable batteries) or external power s Ni-MH secondary battery: 16 h
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Additional proce easuring time crophone Type Sensitivi easurement rang bise C-weigh G-weigh C-weigh C-weigh C-weigh C-weigh G-weighting requency range feaguency weighting svel range Bar graph display ra	Maximum sound pressure level: Lmax Minimum sound pressure level: Lmin Percentile sound levels: Lw(0.1 to 99.9 %, 0.1-increment steps, max. 5 values) ib ch) Instantaneous sound pressure level: Lp One of the following can be selected: C-weighted equivalent continuous sound level: LCeq G-weighted average sound level: LCeq C-weighted peak sound level: LCpeak Z-weighted peak sound level: L2peak Power average of max. level in time weighted sound level interval LAtm5 I-time-weighted average sound level: LAIq Max. value of I-time-weighted average sound level: LAIq * Because additional processing frequency characteristics are linked to sub channel frequency characteristics, LAIma, LAImax can be selected when A characteristics are selected for sub channel. When C, G, or Z characteristics are selected, LCeq and L2peak, Caeq, and L2peak, can be selected for additional processing. 10 s, 1, 5, 10, 15, 30 m, 1, 8, 24 h, and manual (maximum 24 h)	output USB RS-232C communication Data continuous output Type of Instantaneous value data Processed value Output interval Print out Power requirements Battery life (23 °C) AC adapter External power voltage Current consumption Ambient Temperature	(max. applied voltage 24 V, max. Allows USB to be connected to a Allows USB to be controlled via c Allows for RS-232C communics Lp Leq, Lmax, Lmin, Lpeak 100 ms Printing of measurement result Four IEC R6 (size AA) batteries (alkalin Alkaline battery LR6 (AA): 16 h At the maximum * Depends on NC-98C 5 to 7 V (rated voltage: 6 V)	current 60 mA, allowable dissipation 300 computer and recognized as a removable communication commands ation via use of a dedicated cable s on dedicated printer DPU-414 ne or rechargeable batteries) or external power s Ni-MH secondary battery: 16 h
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easuring time crophone Type Sensitivi easurement rang bise C-weigh G-weigh Z-weigh requency range requency weighting svel range Bar graph display ra	C-weighted equivalent continuous sound level: <i>L</i> _{Ceq} G-weighted average sound level: <i>L</i> _{Ceq} C-weighted peak sound level: <i>L</i> _{Cpeak} Z-weighted peak sound level: <i>L</i> _{Zpeak} Power average of max. level in time weighted sound level interval <i>L</i> _{Atm5} I-time-weighted average sound level: <i>L</i> _{ATm4} Max. value of I-time-weighted average sound level: <i>L</i> _{ATm4} * Because additional processing frequency characteristics are linked to sub channel frequency characteristics, <i>L</i> _{ATm4} , <i>L</i> _{ATm4} can be selected when A characteristics are selected for sub channel. When C, G, or Z characteristics are selected, <i>L</i> _{Ceq} and <i>L</i> _{2peak} , <i>L</i> _{Geq} , and <i>L</i> _{2peak} can be selected for additional processing. 10 s, 1, 5, 10, 15, 30 m, 1, 8, 24 h, and manual (maximum 24 h)	Type of data Instantaneous value Processed value Output interval Protessed value Print out Power requirements Battery life (23 °C) AC adapter External power voltage Current consumption Ambient	Leq, Lmax, Lmin, Lpeak 100 ms Printing of measurement result Four IEC R6 (size AA) batteries (alkalin Alkaline battery LR6 (AA): 16 h At the maximum * Depends on NC-98C 5 to 7 V (rated voltage: 6 V)	ne or rechargeable batteries) or external power s Ni-MH secondary battery: 16 h
terophone Type Sensitivi easurement rang herent A-weigh oise C-weigh C-weigh Z-weigh Z-weigh Z-weigh requency range requency weighting svel range Bar graph display ra	G-weighted average sound level: LGeq C-weighted peak sound level: LCpeak Z-weighted peak sound level: LCpeak Power average of max. level in time weighted sound level interval LAtm5 I-time-weighted average sound level: LAIeq Max. value of I-time-weighted average sound level: LAImax * Because additional processing frequency characteristics are linked to sub channel frequency characteristics, LAtm5, LAIeq, LATmax can be selected when A characteristics are selected for sub channel. When C, G, or Z characteristics are selected, LCeq and LCpeak, LGeq, and LZpeak can be selected for additional processing. 10 s, 1, 5, 10, 15, 30 m, 1, 8, 24 h, and manual (maximum 24 h)	data Processed value Output interval Output interval Print out Power requirements Battery life (23 °C) AC adapter External power voltage Current consumption Ambient Temperature	Leq, Lmax, Lmin, Lpeak 100 ms Printing of measurement result Four IEC R6 (size AA) batteries (alkalin Alkaline battery LR6 (AA): 16 h At the maximum * Depends on NC-98C 5 to 7 V (rated voltage: 6 V)	ne or rechargeable batteries) or external power s Ni-MH secondary battery: 16 h
terophone Type Sensitivi easurement rang herent A-weigh oise C-weigh C-weigh Z-weigh Z-weigh Z-weigh requency range requency weighting svel range Bar graph display ra	C-weighted peak sound level: Lcpeak Z-weighted peak sound level: Lcpeak Power average of max. level in time weighted sound level interval LAtm5 I-time-weighted average sound level: LAIaq Max. value of I-time-weighted average sound level: LAImax * Because additional processing frequency characteristics are linked to sub channel frequency characteristics, LAImq, LAImax can be selected when A characteristics are selected for sub channel. When C, G, or Z characteristics are selected, LCeq and Lcpeak, LGeq, and Lzpeak can be selected for additional processing. 10 s, 1, 5, 10, 15, 30 m, 1, 8, 24 h, and manual (maximum 24 h)	Output interval Print out Power requirements Battery life (23 °C) AC adapter External power voltage Current consumption Ambient Temperature	100 ms Printing of measurement results Four IEC R6 (size AA) batteries (alkalir Alkaline battery LR6 (AA): 16 h At the maximum * Depends on NC-98C 5 to 7 V (rated voltage: 6 V)	ne or rechargeable batteries) or external power s Ni-MH secondary battery: 16 h
terophone Type Sensitivi easurement rang herent A-weigh oise C-weigh C-weigh Z-weigh Z-weigh Z-weigh requency range requency weighting svel range Bar graph display ra	Z-weighted peak sound level: L2peak Power average of max. level in time weighted sound level interval LAtm5 I-time-weighted average sound level: LAIeq Max. value of I-time-weighted average sound level: LAImax *Because additional processing frequency characteristics are linked to sub channel frequency characteristics, LAtm5, LAIeq, LAImax can be selected when A characteristics are selected for sub channel. When C, G, or Z characteristics are selected, LCeq and LCpeak, LCeq, and L2peak can be selected for additional processing. 10 s, 1, 5, 10, 15, 30 m, 1, 8, 24 h, and manual (maximum 24 h)	Print out Power requirements Battery life (23 *C) AC adapter External power voltage Current consumption Ambient Temperature	Printing of measurement results Four IEC R6 (size AA) batteries (alkalin Alkaline battery LR6 (AA): 16 h At the maximum * Depends on NC-98C 5 to 7 V (rated voltage: 6 V)	ne or rechargeable batteries) or external power s Ni-MH secondary battery: 16 h
terophone Type Sensitivi easurement rang herent A-weigh oise C-weigh C-weigh Z-weigh Z-weigh Z-weigh requency range requency weighting svel range Bar graph display ra	Power average of max. level in time weighted sound level interval LAtm5 I-time-weighted average sound level: LALeq Max. value of I-time-weighted average sound level: LAImax * Because additional processing frequency characteristics are linked to sub channel frequency characteristics, LAtm5, LAImax can be selected when A characteristics are selected for sub channel. When C, G, or Z characteristics are selected, LCeq and LCpeak, LGeq, and LZpeak can be selected for additional processing. 10 s, 1, 5, 10, 15, 30 m, 1, 8, 24 h, and manual (maximum 24 h)	Power requirements Battery life (23 °C) AC adapter External power voltage Current consumption Ambient Temperature	Four IEC R6 (size AA) batteries (alkalin Alkaline battery LR6 (AA): 16 h At the maximum * Depends on NC-98C 5 to 7 V (rated voltage: 6 V)	ne or rechargeable batteries) or external power s Ni-MH secondary battery: 16 h
terophone Type Sensitivi easurement rang herent A-weigh oise C-weigh C-weigh Z-weigh Z-weigh Z-weigh requency range requency weighting svel range Bar graph display ra	Power average of max. level in time weighted sound level interval LAtm5 I-time-weighted average sound level: LALeq Max. value of I-time-weighted average sound level: LAImax * Because additional processing frequency characteristics are linked to sub channel frequency characteristics, LAtm5, LAImax can be selected when A characteristics are selected for sub channel. When C, G, or Z characteristics are selected, LCeq and LCpeak, LGeq, and LZpeak can be selected for additional processing. 10 s, 1, 5, 10, 15, 30 m, 1, 8, 24 h, and manual (maximum 24 h)	Battery life (23 °C) AC adapter External power voltage Current consumption Ambient Temperature	Four IEC R6 (size AA) batteries (alkalin Alkaline battery LR6 (AA): 16 h At the maximum * Depends on NC-98C 5 to 7 V (rated voltage: 6 V)	ne or rechargeable batteries) or external power s Ni-MH secondary battery: 16 h
terophone Type Sensitivi easurement rang herent A-weigh oise C-weigh C-weigh Z-weigh Z-weigh Z-weigh requency range requency weighting svel range Bar graph display ra	I-time-weighted average sound level: LAIeq Max. value of I-time-weighted average sound level: LAImax * Because additional processing frequency characteristics are linked to sub channel frequency characteristics, LAM5, LAIeq, LAImax can be selected when A characteristics are selected for sub channel. When C, G, or Z characteristics are selected, LCeq and LCpeak, LGeq, and LZpeak can be selected for additional processing. 10 s, 1, 5, 10, 15, 30 m, 1, 8, 24 h, and manual (maximum 24 h)	Battery life (23 °C) AC adapter External power voltage Current consumption Ambient Temperature	Alkaline battery LR6 (AA): 16 h At the maximum * Depends on NC-98C 5 to 7 V (rated voltage: 6 V)	Ni-MH secondary battery: 16 h
terophone Type Sensitivi easurement rang herent A-weigh oise C-weigh C-weigh Z-weigh Z-weigh Z-weigh requency range requency weighting svel range Bar graph display ra	 Max. value of I-time-weighted average sound level: LAImax * Because additional processing frequency characteristics are linked to sub channel frequency characteristics, LAIma, LAImax can be selected when A characteristics are selected for sub channel. When C, G, or Z characteristics are selected, LCeq and LCpeak, LGeq, and LZpeak can be selected for additional processing. 10 s, 1, 5, 10, 15, 30 m, 1, 8, 24 h, and manual (maximum 24 h) 	AC adapter External power voltage Current consumption Ambient Temperature	At the maximum * Depends on NC-98C 5 to 7 V (rated voltage: 6 V)	
terophone Type Sensitivi easurement rang herent A-weigh oise C-weigh C-weigh Z-weigh Z-weigh Z-weigh requency range requency weighting svel range Bar graph display ra	 * Because additional processing frequency characteristics are linked to sub channel frequency characteristics, <i>L</i>Atm5, <i>L</i>ALeq, <i>L</i>ATmax can be selected when A characteristics are selected for sub channel. When C, G, or Z characteristics are selected, <i>L</i>Ceq and <i>L</i>Cpeak, <i>L</i>Geq, and <i>L</i>Cpeak, can be selected for additional processing. 10 s, 1, 5, 10, 15, 30 m, 1, 8, 24 h, and manual (maximum 24 h) 	External power voltage Current consumption Ambient Temperature	NC-98C 5 to 7 V (rated voltage: 6 V)	
terophone Type Sensitivi easurement rang herent A-weigh oise C-weigh C-weigh Z-weigh Z-weigh Z-weigh requency range requency weighting svel range Bar graph display ra	frequency characteristics, <i>L</i> AImG, <i>L</i> AImax can be selected when A characteristics are selected for sub channel. When C, G, or Z characteristics are selected, <i>L</i> Ceq and <i>L</i> Cpeak, <i>L</i> Geq, and <i>L</i> Zpeak can be selected for additional processing. 10 s, 1, 5, 10, 15, 30 m, 1, 8, 24 h, and manual (maximum 24 h)	External power voltage Current consumption Ambient Temperature	5 to 7 V (rated voltage: 6 V)	
terophone Type Sensitivi easurement rang herent A-weigh oise C-weigh C-weigh Z-weigh Z-weigh Z-weigh requency range requency weighting svel range Bar graph display ra	 characteristics are selected for sub channel. When C, G, or Z characteristics are selected, <i>L</i>_{Ceq} and <i>L</i>_{Cpeak}, <i>L</i>_{Geq}, and <i>L</i>_{Zpeak}, and be selected for additional processing. 10 s, 1, 5, 10, 15, 30 m, 1, 8, 24 h, and manual (maximum 24 h) 	Current consumption Ambient Temperature		
terophone Type Sensitivi easurement rang herent A-weigh oise C-weigh C-weigh Z-weigh Z-weigh Z-weigh requency range requency weighting svel range Bar graph display ra	selected, LCeq and LCpeek, LCeq, and L2peak can be selected for additional processing. 10 s, 1, 5, 10, 15, 30 m, 1, 8, 24 h, and manual (maximum 24 h)	Ambient Temperature		operation, rated voltage)
terophone Type Sensitivi easurement rang herent A-weigh oise C-weigh C-weigh Z-weigh Z-weigh Z-weigh requency range requency weighting svel range Bar graph display ra	10 s, 1, 5, 10, 15, 30 m, 1, 8, 24 h, and manual (maximum 24 h)		-10 to +50 °C	oporation, rated tonage,
terophone Type Sensitivi easurement rang herent A-weigh oise C-weigh C-weigh Z-weigh Z-weigh Z-weigh requency range requency weighting svel range Bar graph display ra			10 to 90 % RH (non-condensing	a)
Sensitivi easurement rang herent <u>A-weigh</u> jise <u>C-weigh</u> <u>G-weigh</u> Z-weigh z-weigh z-weigh z-weighting requency weighting svel range Bar graph display ra	Max. 1000 Hours with auto store	Dustproof / water-resistant	IP code: IP54 (except for micro	
Sensitivi easurement rang herent <u>A-weigh</u> jise <u>C-weigh</u> <u>G-weigh</u> Z-weigh z-weigh z-weigh z-weighting requency weighting svel range Bar graph display ra	UC-59L	performance*3	See precautions regarding wate	
herent A-weigh bise C-weigh G-weigh Z-weigh Z-weigh requency weightin we weighting svel range Bar graph display ra		Dimensions, weight		
herent A-weigh Dise C-weigh Z-weigh requency range requency weighting svel range Bar graph display ra				nm(D), approx. 400 g (with batteries)
Dise C-weigh G-weigh Z-weigh Z-weigh requency range requency weighting avel range Bar graph display ra		Supplied accessories		S-10 x 1, Windscreen fall prevention rubber
Dise C-weigh G-weigh Z-weigh Z-weigh requency range requency weighting avel range Bar graph display ra	C-weighting: 33 dB to 138 dB		Hand strap x 1, LR6 (AA) alkaline	batteries x 4, SD card 512 MB×1
Dise C-weigh G-weigh Z-weigh Z-weigh requency range requency weighting avel range Bar graph display ra	G-weighting: 43 dB to 138 dB	Ontiona		
Dise C-weigh G-weigh Z-weigh Z-weigh requency range requency weighting avel range Bar graph display ra	Z-weighting: 50 dB to 138 dB	Options		
Dise C-weigh G-weigh Z-weigh Z-weigh requency range requency weighting avel range Bar graph display ra	C-weighting peak sound level: 60 dB to 141 dB		duct name	Product number
Dise C-weigh G-weigh Z-weigh Z-weigh requency range requency weighting avel range Bar graph display ra	Z-weighting peak sound level: 65 dB to 141 dB		ram (Inst.on 2 GB SD card)	NX-42WR
G-weigh Z-weigh requency range requency weighting me weighting avel range Bar graph display ra			alysis program (Inst.on 512 MB SD card)	NX-62RT
Z-weigh requency range requency weightin me weighting avel range Bar graph display ra		FFT analysis program (In		NX-42FT
requency range requency weighti me weighting evel range Bar graph display ra			e for environmental measurement	AS-60
requency weighti me weighting evel range Bar graph display ra		Data management software	e for environmental measurement octave data management software)	AS-60RT
me weighting evel range Bar graph display ra			e for environmental measurement	
evel range Bar graph display ra	•		el data management software)	AS-60VM
Bar graph display ra	F (Fast) and S (Slow), I (Impulse) and 10 s	Waveform analysis softwa	are	CAT-WAVE
	Single range (Linearity range: 113 dB)	SD Card 512 MB		SD-512M
Switching of her and	range max Max. 110 dB (20 to 130 dB)	SD Card 2 GB		SD-2G
ownoning or bar grap	aph display Set the upper/ lower limit in 10 dB increments.	AC adapter (100 V to 240		NC-98C
MS detection circ	rcuit Digital processing method	Battery pack		BP-21
ampling cycle	20.8 μs (L _P , Leq, LE, Lmax, Lmin, Lpeak : sampling frequency: 48 kHz)	Microphone extension ca	blog	
	100 ms (<i>LN</i>)	BNC-Pin output code	0100	EC-04 (from 2 m)
alibration	Measurement Law: electrical calibration performed according to IEC and JIS standards,			CC-24
	using internally generated signals: acoustic calibration performed with the NC-74.	Comparator output cable		CC-42C
orrection function		Printer		DPU-414
	Compliant with IEC 61672-1 and JIS C 1509-1 standards when the	Printer cable		CC-42P
	windscreen is installed.	RS 232C serial I/O cable		CC-42R
	Diffuse sound field correction:	USB cable		_
	Correction of frequency characteristics in order to comply with standards	Sound calibrator		NC-74
	(ANSI S1.4) in diffuse sound field.	All-weather windscreen		WS-15
elay time	The meter can be set to start measuring a specified time (OFF, 1, 3, 5 or 10 s)	Windscreen mounting ad		WS-15006
siay unio	after the start button has been pressed or when a user-set trigger is exceeded.	Rain-protection windscree	en	WS-16
ack erase functio	· · · · · · · · · · · · · · · · · · ·	Sound level meter tripod		ST-80
ack erase functio		All-weather windscreen tr	ipod	ST-81
ioplay	(user selectable) 0, 1, 3 or 5 s data are excluded from processing.		ed products. *2 NX-42WR requir	
isplay	Backlit semitransparent color TFT LCD display WQVGA (400 x 240 dots)		nful dust and water splashing from	
	* LCD with touch panel (Capacitive Touch Panel)	Precautions regarding w	aterproofing	
			ubber bottom cover and the battery	compartment lid are firmly closed
tore Manual	Numerical display update frequency: 1 s Bar graph update frequency: 100 ms			placement is required every two years (at
Number of	Numerical display update frequency: 1 s Bar graph update frequency: 100 ms Data for measurement results are stored manually in single address increments.			al a
	Numerical display update frequency: 1 s Bar graph update frequency: 100 ms Data for measurement results are stored manually in single address increments.			
Auto	Numerical display update frequency: 1 s Bar graph update frequency: 100 ms Data for measurement results are stored manually in single address increments.			
	Numerical display update frequency: 1 s Bar graph update frequency: 100 ms Data for measurement results are stored manually in single address increments. r of data Internal memory: max. 1000 sets			
L_P samplin	Numerical display update frequency: 1 s Bar graph update frequency: 100 ms Data for measurement results are stored manually in single address increments. r of data Internal memory: max. 1000 sets SD Card: depends on the capacity of the SD Card*1			
Leg sampli	Numerical display update frequency: 1 s Bar graph update frequency: 100 ms Data for measurement results are stored manually in single address increments. of data Internal memory: max. 1000 sets SD Card: depends on the capacity of the SD Card*1 Instantaneous values (L _P mode) and processed values (L _{eq} mode) are stored continuously and automatically at preset intervals.			IS <u>0 14001</u>

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