





Wide Range Measurement From 1 to 20 000 Hz







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.

255 mm 10 inch



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.



(φ2.5 mono jack)

PAUSE/CONT START/STOP LIGHT

SOUND LEVEL METER NL-62

Auto Lp 100ms

1000h 0d 00:00:00 Leg 10min 000001

90 110

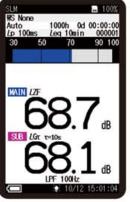
(Full scale)

No paper manual is needed.

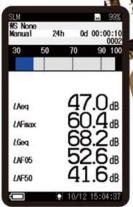
User instructions and a help function can be easily accessed on the device.



Measurement Display (Level-Time graph)



Measurement Display (low-frequency sound)



Parameter Screen



Menu screen



Help screen

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

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



- Please use the dedicated charger to charged eneloop® batteries
- When using eneloop batteries, please read the eneloop® battery instruction manual.
 eneloop® is a registered trademark of Panasonic group.

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

1000 h (approx. one month)

Previous model 200 h (approx. one week)

Example of detailed recording

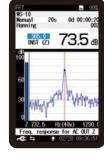
If the L_p is measured at 100 ms intervals and the L_{eq} is simultaneously measured at 10 min intervals over a 24 h period, the total size of accumulated data is approximately 74 MB (reference value)

Functionality can be extended by a range of options

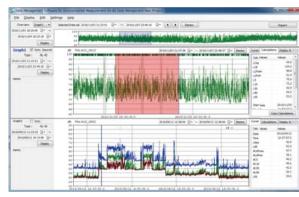
Add long-term data recording capability and frequency analysis function



1/3 octave band analysis screen (low range)



FFT analysis screen (x40)



Data management screen of AS-60 software

Program function list

Auto store function

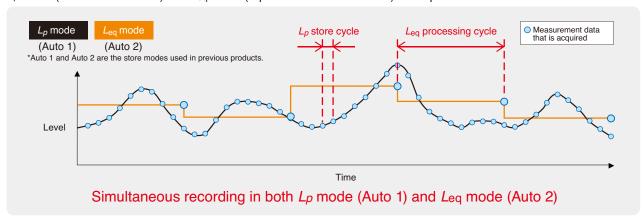
This function enables continuous measurement in L_p mode (instantaneous SPL) and L_{eq} mode (equivalent continuous SPL) to be conducted simultaneously.

Total measuring time of Auto store function

Up to 1000 h

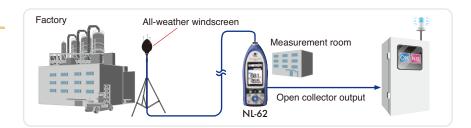
Equipped with a timer function

Lp mode (instantaneous SPL) and Leq 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, where data has to be transferred continuously from the sound level meter to the computer.

Optional program function list

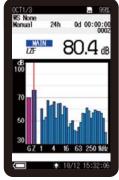
Octave, 1/3 octave real-time analysis program NX-62RT



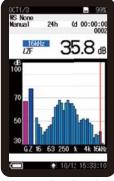
The NX-62RT is supplied on the 512 MB SD card. The 512 MB SD card can be used as a memory card after installing the program.



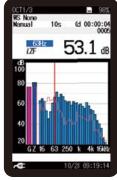
By adding the NX-62RT program to the NL-62, octave band and 1/3 octave band real-time analysis can be realized. Saved analysis results can be loaded and shown in an overlay graph display together with current analysis data. NC curve graph display and NC value calculation/display are also possible.



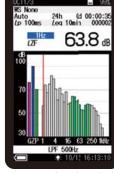
1/3 octave band analysis screen (low range)



1/3 octave band analysis screen (high range)



Overlay analysis screen



1/3 octave band analysis screen (combined bands)



Measurement screen (Level-Time graph)

Waveform recording program NX-42WR



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.



This function enables users to record sounds and processing sound to 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

Maximum recording time (16 bit)

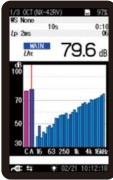
Memory card Sampling frequency	512 MB	2 GB	32GB
48 kHz	1 h	4 h	79 h
24 kHz	2 h	9 h	158 h
12 kHz	4 h	18 h	315 h

Reverberation Time Measurement Program NX-42RV

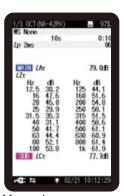


The NX-42RV is supplied on the 512 MB SD card. The 512 MB SD card can be used as a memory card after installing the program.

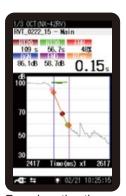
By adding the NX-42RV program to the NL-52/42, reverberation time measurements can be performed. The measurement method is the interrupted noise method. This program allows storage of reverberation time decay curves, T20/T30 calculation, Txx calculation (reverberation time calculation based on a user-defined interval) and averaged reverberation time results displayed on the SLM screen.



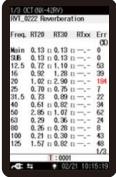
Measuring screen (graph)



Measuring screen (numeric)



Reverberation time decay curve screen



Result screen (T20/T30/Txx)

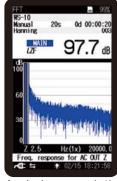
FFT analysis program NX-42FT



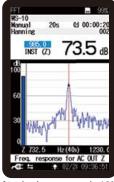
The NX-42FT is supplied on the 512 MB SD card. The 512 MB SD card can be used as a memory card after installing the program.



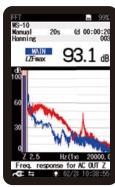
By adding the NX-42FT program to the NL-62, FFT analysis can be performed. The analysis frequency range is 20 kHz, with 8 000 spectrum lines (200 displayed). Saved analysis results can be loaded and shown in an overlay graph display together with current analysis data. Maximum zoom ratio is x40, and the top list screen can show up to 20 lines.



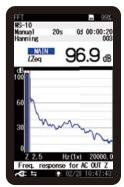
Analysis screen (x1)



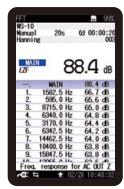
Analysis screen (x40)



Overlay analysis screen

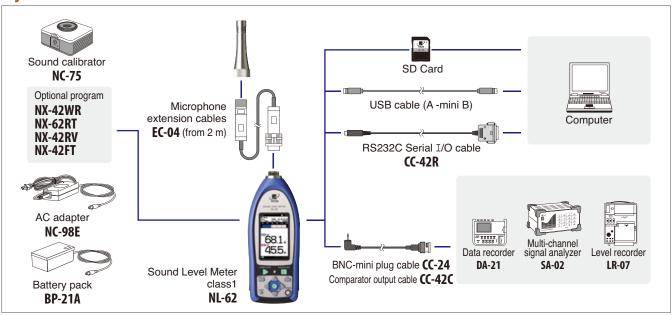


Linear average screen



Top list screen

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)

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

Rain-protection windscreen **WS-16**



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

Sound calibrator NC-75



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

PISTONPHONE NC-72A



Compliant with JIS C 1515: 2020 (IEC 60942: 2017) class LS/M, class 1/M Allows calibration with accuracy

of ± 0.10 dB. Specifications Nominal acoustic

pressure level

Nominal frequency

114 dB

250 Hz

Tripod ST-80



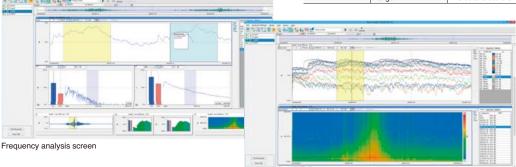
This stand can be used for general acoustic measurements. The sound level meter and microphone can be mounted on the stand.

Waveform analysis software

This software allows you to load stored WAVE files from a RION sound level meter, vibration meter or data recorder. Octave, 1/3 octave, and FFT analyses can then be performed. Playback of the real sound files is also possible.

Specifications

Waveform analysis	Calculations	Maximum value, Minimum value, Average value, RMS, Variance,	
		Differential and integral calculus, HPF, LPF	
Frequency weighting	ng	Z, A, C, G, C to A, L _{vz} (vertical) (JIS C 1510), L _{vxy} (horizontal) (JIS C 1510)	
FFT analysis	Analysis points	32 to 65 536 points	
	Display data	Power spectrum, Power spectral density, Spectrogram	
Time weighting		10 ms, F, 630 ms, S, 10 s	
Octave band	Applicable standards	IEC 61260 Class 1 (JIS C 1514 Class 1)	
analysis	Analysis frequency	Octave band 0.5 Hz to 16 kHz (16 bands)	
	range	1/3 octave band 0.4 Hz to 20 kHz (48 bands)	



Frequency analysis screen

Recommended computer specifications

CPU Intel Core™2 Duo 2 GHz or higher 2 GB or more RAM (4 GB recommended) 20 GB free or more HDD (100 GB or more recommended) XGA (1 024 × 768) or more DISPLAY Microsoft Windows 8.1 Pro 64 bit, 10 Pro 64 bit

Complete software for environmental measurements

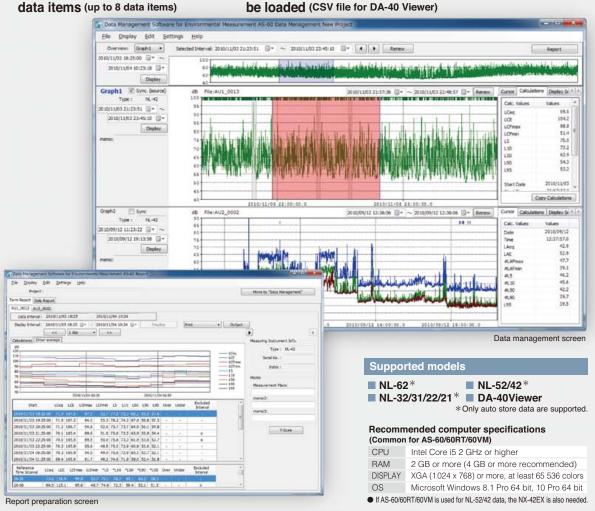
Data management software for environmental measurement AS-60

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

- Reports easy to prepare
- data items (up to 8 data items)
- Simultaneous display of multiple Data stored in a data recorder can Data combination be loaded (CSV file for DA-40 Viewer)

trial version now available on

our website



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 SX-A1RT, NX-62RT/42RT or NA-28 data on a computer.



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

Adds support for handling data measured with VM-55EX/53A to AS-60

Supported models

■ VM-55EX*

■ VM-53A*

*Only auto store data are supported

Applica		•	
	able standards	IEC 61672-1: 2013/2002 class 1	
		ISO 7196: 1995	
		ANSI/ASA S1.4-2014/Part 1 class 1	
		JIS C 1509-1: 2017 class 1	
		CE marking, WEEE Directives, Chinese RoHS (export model for China only	
Measu	rement functions	Simultaneous measurement of the following items, with selected time	
_		weighting and frequency weighting	
Processing (main ch)		Instantaneous sound pressure level: Lp	
		Equivalent continuous sound pressure level: Leq	
		Sound exposure level: L _E	
		Maximum sound pressure level: L _{max}	
		Minimum sound pressure level: Lmin	
		Percentile sound levels: L _N (0.1 to 99.9 %, 0.1-increment steps, max. 5 values)	
Prod	cessing (sub ch)	Instantaneous sound pressure level: Lp	
Add	litional processing	One of the following can be selected:	
		C-weighted equivalent continuous sound level: LCeq	
		G-weighted average sound level: L _{Geq}	
		C-weighted peak sound level: L _{Cpeak}	
		Z-weighted peak sound level: Lzpeak	
		Power average of max. level in time weighted sound level interval L _{Atm5}	
		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 channe	
		frequency characteristics, L _{Atms} , L _{AIeq} , L _{AImax} can be selected when A	
		characteristics are selected for sub channel. When C, G, or Z characteristics are	
	1-	selected, L _{Ceq} and L _{Cpeak} , L _{Geq} , and L _{Zpeak} can be selected for additional processing	
vicroph	one Type	UC-59L	
	Sensitivity level		
Measu	rement range	A-weighting: 25 dB to 138 dB	
		C-weighting: 33 dB to 138 dB	
		G-weighting: 43 dB to 138 dB	
		Z-weighting: 50 dB to 138 dB	
		C-weighting peak sound level: 60 dB to 141 dB	
		Z-weighting peak sound level: 65 dB to 141 dB	
nhere	nt A-weighting	17 dB or less	
noise	C-weighting	25 dB or less	
	G-weighting	35 dB or less	
	Z-weighting	42 dB or less	
Freque	ency range	1 Hz to 20 kHz	
	oriog rango		
Freque	ency weighting	A, C, G and Z	
		A, C, G and Z F (Fast) and S (Slow), I (Impulse) and 10 s	
	ency weighting veighting		
Time w	ency weighting veighting	F (Fast) and S (Slow), I (Impulse) and 10 s Single range (Linearity range: 113 dB)	
Time w Level r	ency weighting veighting range	F (Fast) and S (Slow), I (Impulse) and 10 s Single range (Linearity range: 113 dB) Max. 110 dB (20 to 130 dB)	
Level r Bar g Swite	ency weighting veighting range graph display range max	F (Fast) and S (Slow), I (Impulse) and 10 s Single range (Linearity range: 113 dB) Max. 110 dB (20 to 130 dB) Set the upper/ lower limit in 10 dB increments.	
Level r Bar o Swite	ency weighting veighting range graph display range max ching of bar graph display letection circuit	F (Fast) and S (Slow), I (Impulse) and 10 s Single range (Linearity range: 113 dB) Max. 110 dB (20 to 130 dB) Set the upper/ lower limit in 10 dB increments. Digital processing method	
Level r Bar o Swite	ency weighting veighting range graph display range max shing of bar graph display	F (Fast) and S (Slow), I (Impulse) and 10 s Single range (Linearity range: 113 dB) Max. 110 dB (20 to 130 dB) Set the upper/ lower limit in 10 dB increments.	
Evel r Bar g Swite RMS d Sampli	ency weighting veighting range graph display range max ching of bar graph display letection circuit ing cycle	F (Fast) and S (Slow), I (Impulse) and 10 s Single range (Linearity range: 113 dB) Max. 110 dB (20 to 130 dB) Set the upper/ lower limit in 10 dB increments. Digital processing method 20.8 µs (<i>Lp</i> , <i>L</i> eq, <i>LE</i> , <i>L</i> max, <i>L</i> min, <i>L</i> peak : sampling frequency: 48 kHz) 100 ms (<i>L_N</i>)	
Evel r Bar g Swite RMS d Sampli	ency weighting veighting range graph display range max ching of bar graph display letection circuit ing cycle	F (Fast) and S (Slow), I (Impulse) and 10 s Single range (Linearity range: 113 dB) Max. 110 dB (20 to 130 dB) Set the upper/ lower limit in 10 dB increments. Digital processing method 20.8 µs (Lp, Leq, LE, Lmax, Lmin, Lpeak : sampling frequency: 48 kHz) 100 ms (L _N) Electrical calibration performed according to IEC and JIS standards, usin.	
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Eime w Level r Bar g Switc RMS d Sampli	ency weighting veighting range graph display range max ching of bar graph display letection circuit ing cycle	F (Fast) and S (Slow), I (Impulse) and 10 s Single range (Linearity range: 113 dB) Max. 110 dB (20 to 130 dB) Set the upper/ lower limit in 10 dB increments. Digital processing method 20.8 μs (<i>L_P</i> , <i>L</i> eq., <i>L_E</i> , <i>L</i> max, <i>L</i> min, <i>L</i> peak : sampling frequency: 48 kHz) 100 ms (<i>L_N</i>) Electrical calibration performed according to IEC and JIS standards, usin internally generated signals: acoustic calibration performed with the NC-74 Windscreen correction:	
Eime w Level r Bar g Switc RMS d Sampli	ency weighting veighting range graph display range max shing of bar graph display letection circuit ing cycle	F (Fast) and S (Slow), I (Impulse) and 10 s Single range (Linearity range: 113 dB) Max. 110 dB (20 to 130 dB) Set the upper/ lower limit in 10 dB increments. Digital processing method 20.8 μs (<i>L_P</i> , <i>L</i> e ₀ , <i>L</i> ε, <i>L</i> max, <i>L</i> min, <i>L</i> peak : sampling frequency: 48 kHz) 100 ms (<i>L_N</i>) Electrical calibration performed according to IEC and JIS standards, usin internally generated signals: acoustic calibration performed with the NC-74 Windscreen correction: Compliant with IEC 61672-1 and JIS C 1509-1 standards when the	
Eime w Level r Bar g Switc RMS d Sampli	ency weighting veighting range graph display range max shing of bar graph display letection circuit ing cycle	F (Fast) and S (Slow), I (Impulse) and 10 s Single range (Linearity range: 113 dB) Max. 110 dB (20 to 130 dB) Set the upper/ lower limit in 10 dB increments. Digital processing method 20.8 μs (L _P , L _{eq} , L _E , L _{max} , L _{min} , L _{peak} : sampling frequency: 48 kHz) 100 ms (L _N) Electrical calibration performed according to IEC and JIS standards, usin internally generated signals: acoustic calibration performed with the NC-74 Windscreen correction: Compliant with IEC 61672-1 and JIS C 1509-1 standards when the windscreen is installed.	
Evel r Bar g Switc RMS d Sampli	ency weighting veighting range graph display range max shing of bar graph display letection circuit ing cycle	F (Fast) and S (Slow), I (Impulse) and 10 s Single range (Linearity range: 113 dB) Max. 110 dB (20 to 130 dB) Set the upper/ lower limit in 10 dB increments. Digital processing method 20.8 µs (Lp, Leq, LE, Lmax, Lmin, Lpeak: sampling frequency: 48 kHz) 100 ms (Ln) Electrical calibration performed according to IEC and JIS standards, usin internally generated signals: acoustic calibration performed with the NC-74 Windscreen correction: Compliant with IEC 61672-1 and JIS C 1509-1 standards when the windscreen is installed. Diffuse sound field correction:	
Eime w Level r Bar g Switc RMS d Sampli	ency weighting veighting range graph display range max shing of bar graph display letection circuit ing cycle	F (Fast) and S (Slow), I (Impulse) and 10 s Single range (Linearity range: 113 dB) Max. 110 dB (20 to 130 dB) Set the upper/ lower limit in 10 dB increments. Digital processing method 20.8 µs (Lp, Leq, LE, Lmax, Lmin, Lpeak: sampling frequency: 48 kHz) 100 ms (L _N) Electrical calibration performed according to IEC and JIS standards, usin- internally generated signals: acoustic calibration performed with the NC-74 Windscreen correction: Compliant with IEC 61672-1 and JIS C 1509-1 standards when the windscreen is installed. Diffuse sound field correction: Correction of frequency characteristics in order to comply with standard	
Eime w Level r Bar g Switc RMS d Sampli Calibra	ency weighting veighting range graph display range max shing of bar graph display letection circuit ing cycle attion	F (Fast) and S (Slow), I (Impulse) and 10 s Single range (Linearity range: 113 dB) Max. 110 dB (20 to 130 dB) Set the upper/ lower limit in 10 dB increments. Digital processing method 20.8 µs (Lp, Leq, LE, Lmax, Lmin, Lpeak : sampling frequency: 48 kHz) 100 ms (L _N) Electrical calibration performed according to IEC and JIS standards, usin internally generated signals: acoustic calibration performed with the NC-74 Windscreen correction: Compliant with IEC 61672-1 and JIS C 1509-1 standards when the windscreen is installed. Diffuse sound field correction: Correction of frequency characteristics in order to comply with standard (ANSI S1.4) in diffuse sound field.	
Bar g Switch Sampli	ency weighting veighting range graph display range max shing of bar graph display letection circuit ing cycle attion	F (Fast) and S (Slow), I (Impulse) and 10 s Single range (Linearity range: 113 dB) Max. 110 dB (20 to 130 dB) Set the upper/ lower limit in 10 dB increments. Digital processing method 20.8 μs (Lρ, Leq, LE, Lmax, Lmin, Lpeak : sampling frequency: 48 kHz) 100 ms (LN) Electrical calibration performed according to IEC and JIS standards, usin internally generated signals: acoustic calibration performed with the NC-74 Windscreen correction: Compliant with IEC 61672-1 and JIS C 1509-1 standards when the windscreen is installed. Diffuse sound field correction: Correction of frequency characteristics in order to comply with standard (ANSI S1.4) in diffuse sound field. The meter can be set to start measuring a specified time (OFF, 1, 3, 5 or 10 s)	
Evel r Switch Sampli Calibra Correct	ency weighting veighting arange graph display range max shing of bar graph display letection circuit ing cycle attion tion functions	F (Fast) and S (Slow), I (Impulse) and 10 s Single range (Linearity range: 113 dB) Max. 110 dB (20 to 130 dB) Set the upper/ lower limit in 10 dB increments. Digital processing method 20.8 μs (Lρ, Leq, LE, Lmax, Lmin, Lpeak : sampling frequency: 48 kHz) 100 ms (L _N) Electrical calibration performed according to IEC and JIS standards, usin internally generated signals: acoustic calibration performed with the NC-74 Windscreen correction: Compliant with IEC 61672-1 and JIS C 1509-1 standards when the windscreen is installed. Diffuse sound field correction: Correction of frequency characteristics in order to comply with standard (ANSI S1.4) in diffuse sound field. The meter can be set to start measuring a specified time (OFF, 1, 3, 5 or 10 s) after the start button has been pressed or when a user-set trigger is exceeded	
Bar g Switch Switch Sampli	ency weighting veighting range graph display range max shing of bar graph display letection circuit ing cycle attion	F (Fast) and S (Slow), I (Impulse) and 10 s Single range (Linearity range: 113 dB) Max. 110 dB (20 to 130 dB) Set the upper/ lower limit in 10 dB increments. Digital processing method 20.8 µs (Lp, Leq, LE, Lmax, Lmin, Lpeak: sampling frequency: 48 kHz) 100 ms (L _N) Electrical calibration performed according to IEC and JIS standards, using internally generated signals: acoustic calibration performed with the NC-74. Windscreen correction: Compliant with IEC 61672-1 and JIS C 1509-1 standards when the windscreen is installed. Diffuse sound field correction: Correction of frequency characteristics in order to comply with standard (ANSI S1.4) in diffuse sound field. The meter can be set to start measuring a specified time (OFF, 1, 3, 5 or 10 s) after the start button has been pressed or when a user-set trigger is exceeded	
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Data	recall		Allows viewing of stored data	
Setup memory		ory	Up to five setup configurations can be saved in internal memory, for later recal	
			Start up via file settings previously stored on SD card possible	
Wave	form r	ecording*2		
File format		nat	Uncompressed waveform WAVE file	
Sampling frequency		g frequency	Select 48 kHz, 24 kHz or 12 kHz	
Data length		gth	Select 24 bit or 16 bit	
Outputs	utputs DC output		Output DC signals using a frequency weighting characteristic selected by processing	
	0	utput voltage	2.5 V, 25 mV / dB at bar graph display full scale	
	AC (output	Output AC signal using frequency weighting selected by processing or by A	
			C, Z, G weighting	
	0	utput voltage	1 V (rms values) at bar graph display full scale	
	Con	nparator	Turns on when the open-collector output exceeds the set value	
	outp	out	(max. applied voltage 24 V, max. current 60 mA, allowable dissipation 300 mW)	
USB			Allows USB to be connected to a computer and recognized as a removable dis	
			Allows USB to be controlled via communication commands	
RS-232C communication		ommunication	Allows for RS-232C communication via use of a dedicated cable	
Data (contin	uous output		
Ту	pe of	Instantaneous value	Lp	
da	ta	Processed value	Leq, Lmax, Lmin, Lpeak	
Οι	utput ii	nterval	100 ms	
Powe	r requ	irements	Four IEC R6 (size AA) batteries (alkaline or rechargeable batteries) or external power supply	
Ba	attery I	ife (23 °C)	Alkaline battery LR6 (AA): 16 h Ni-MH secondary battery: 16 h	
			At the maximum *Depends on the setting	
AC adapter		oter	NC-98E	
External power voltage		power voltage	5 to 7 V (rated voltage: 6 V)	
Cu	ırrent	consumption	Approximately 120 mA (normal operation, rated voltage)	
Ambie	ent	Temperature	-10 to +50 °C	
condit	tions	Humidity	10 to 90 % RH (non-condensing)	
Dustp	roof /	water-resistant	IP code: IP54 (except for microphone)	
perfor	mance	9*3	See precautions regarding waterproofing	
Dime	nsions	s, weight	Approx. 255 (H) x 76 (W) x 33 mm(D), approx. 400 g (with batteries)	
Supplied accessories		ccessories	Storage case x 1, Windscreen WS-10 x 1, Windscreen fall prevention rubber x 1,	
			Hand strap x 1, LR6 (AA) alkaline batteries x 4, SD card 512 MB×1	

Ontions

Product name	Product number	
Waveform recording program (Inst.on 2 GB SD card)	NX-42WR	
Octave, 1/3 octave real-time analysis program (Inst.on 512 MB SD card)	NX-62RT	
Reverberation time measurement program (Inst.on 512 MB SD card)	NX-42RV	
FFT analysis program (Inst.on 512 MB SD card)	NX-42FT	
Data management software for environmental measurement	AS-60	
Data management software for environmental measurement (Includes the octave and 1/3 octave data management software)	AS-60RT	
Data management software for environmental measurement (Includes the vibration level data management software)	AS-60VM	
Waveform analysis software	AS-70	
SD Card 512 MB	MC-51SD1	
SD Card 2 GB	MC-20SD2	
SD Card 32 GB	MC-32SP3	
AC adapter (100 V to 240 V)	NC-98E	
Battery pack	BP-21A	
Microphone extension cables	EC-04 (from 2 m)	
BNC-Pin output code	CC-24	
Comparator output cable	CC-42C	
RS 232C serial I/O cable	CC-42R	
USB cable	Commercially available product	
Sound calibrator	NC-75	
All-weather windscreen	WS-15	
Windscreen mounting adapter	WS-15006	
Rain-protection windscreen	WS-16	
Sound level meter tripod	ST-80	
All-weather windscreen tripod	ST-81	

- *1 Use Rion fully guaranteed products. *2 NX-42WR required (sold separately).
- *3 Protection against harmful dust and water splashing from any direction.

Before use, verify that the rubber bottom cover and the battery compartment lid are firmly closed. To maintain the water and dust proof rating, internal packing replacement is required every five years (at cost).

RION CO., LTD. is recognized by the JCSS which uses ISO/IEC 17025 as an accreditation standard and bases its accreditation scheme on ISO/IEC 17011. JCSS is operated by the accreditation body (IA Japan) which is a signatory to the Asia Pacific Accreditation Cooperation (APAC) as well as the International Laboratory Accreditation Cooperation (ILAC). The Quality Assurance Section of RION CO., LTD. is an international MRA compliant JCSS operator with the accreditation number JCSS 0197.



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

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JCSS 0197

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This product is environment-friendly. It does not include toxic chemicals on our policy.

This product is certified to an International Protection rating of IP54 (dust protected and resistant to splashing water).

This leaflet is printed with environmentally friendly UV ink.