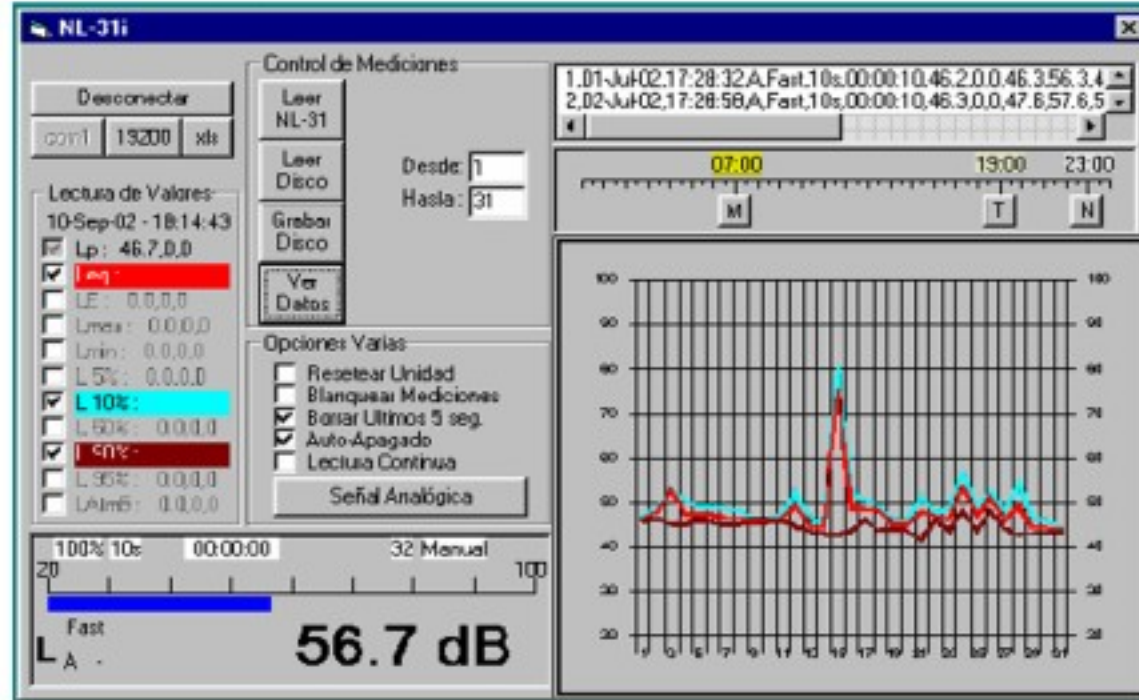


Management software

Supported OS: Windows /98/98SE/2000/XP

Management Software
(for NL-20/21/31)

(with real sound playback function)



Every instrument function could be made through this software.

Remote instrument settings available.

Unlimited data store capacity.

Can recover field measurement stored in the instrument and save info through Microsoft Excel.

Can take measurement by setting day ranges (morning, noon and night).

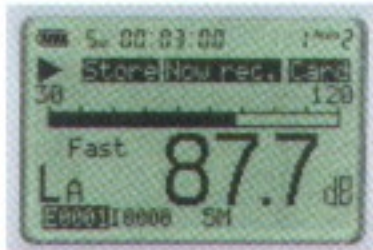
Graph measurements.

This software has been developed by Griensu (Hikari S.A.) therefore, it could be adapted to the user needs.

Memory card recording times

Memory card capacity	Recording time
64 MByte	Approx. 2 hours 10 minutes
128 MByte	Approx. 5 hours
256 MByte	Approx. 11 hours

Program cards (NL-32/22/31/21)

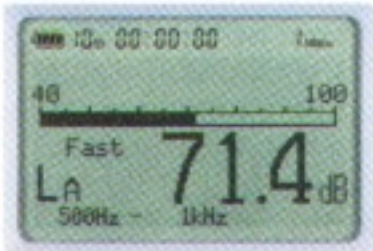


Real sound monitor card
NX-22J

Adds sound monitor function to sound level meter.

This allows event recording (above a certain threshold) or interval recording (at preset intervals) during sound level measurement. By using the NL-22PB1 management software, you can perform various data processing functions while listening to the recorded sound.

* The recorded sounds are not useful for the aim of frequency analysis.



Universal filter card
NX-21VA (1/3 octave steps)

Adds high-pass filter and low-pass filter function to sound level meter.

3rd order high-pass filter: 10 Hz to 12.5 kHz (NL-21 to 8 kHz)
3rd order low-pass filter: 10 Hz to 12.5 kHz (NL-21 to 8 kHz)
AC/DC output: For selected frequency band



1/1, 1/3 Octave real-time analyzer card
NX-22RT

Adds 1/1, 1/3 octave real-time analyzer function to sound level meter.

Supported standards:
IEC 61260: 1995 Class 1
JIS C 1514: 2002 Class 1
Measurement modes:
 L_p , L_{eq} , L_E , L_{max} (select one processing function)
Frequency analyzer bands:
1/1 octave filter: 16 Hz to 8 kHz
1/3 octave filter: 12.5 Hz to 16 kHz
Memory: Max. 100 data per file
Number of files: max. 100

AC/DC output:
Voltage always corresponds to L_p value, regardless of selected measurement type (full-scale -10 dB: 2.5 V, 0.25 V/10 dB)



FFT Analyzer card
NX-22FT

Adds FFT analyzer function to sound level meter.

Frequency span:
2 kHz, 5 kHz, 10 kHz, 20 kHz
Window types: Regular, Hanning
Number of analysis lines: 400
Zoom ratio: X1, X2, X4
Processing: Instantaneous, linear average, maximum value
Memory: Max. 100 data per file
Number of files: max. 50



1/1, 1/3 Octave filter card
NX-21SA

Adds frequency band switching analyzer function to sound level meter.

Supported standards:
IEC 61260: 1995 Class 1
JIS C 1514: 2002 Class 1
Frequency analyzer bands:
1/1 octave filter: 16 Hz to 8 kHz
1/3 octave filter: 12.5 Hz to 16 kHz (NL-21 to 10 kHz)
AC/DC output:
For selected frequency band

Program card compatibility chart

		NL-32/22	NL-31/21	NL-20
Real sound monitor card	NX-22J	YES	NO	NO
1/1, 1/3 Octave real-time analyzer card	NX-22RT	YES	NO	NO
FFT Analyzer card	NX-22FT	YES	NO	NO
1/1, 1/3 Octave filter card	NX-21SA	YES	YES	NO
Universal filter card	NX-21VA	YES	YES	NO



Sound calibrator NC-74

Ideal for calibration of high-precision sound level meters

This device conforms to IEC 60942: 1997 Class 1 and JIS C 1515: 1991. Its performance and functions are eminently suitable for high-precision sound level meters. Sound level: 94 dB, Frequency: 1 kHz

