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(Actual size)

High-quality and cost-effective. Essential functions. Complies with IEC standards.

Sound Level Meter NL-28



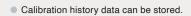
Easy to use with one hand. The non-slip design makes it easy to grip. Button layout provides intuitive operability.





EW Automatic calibration function

Convenient for sound calibration before and after measurement. Insert the microphone into the acoustic calibrator and calibration is performed automatically.





- Conforms to IEC 61672-1:2013 class 2, JIS C 1509-1:2017 class 2, JIS C 1516:2020 class 2
- Pause measurement function to remove unwanted noises for measurement evaluation.
- Continuous operation time is over 9 hours with two AA batteries (Compatible with alkaline batteries, Ni-MH rechargeable batteries)

At the selected time weighting, the following calculation values can be measured simultaneously.

Measurement function	A-weighting	C-weighting
Time-weighted sound level Lp	•	•
Equivalent continuous sound level Leq	•	•
Maximum time-weighted sound level Lmax	•	•
Sound exposure level LE	•	•
Peak sound level Lpeak	_	•

Specifications

Applicable standards		IEC 61672-1:2013 class 2
		JIS C 1509-1:2017 class 2
		JIS C 1516:2020 class 2
		CE Marking
		EMC Directive Directive 2014/30/EU EN 61326-1:2013
		RoHS Directive Directive 2011/65/EU EN IEC 63000:2018
		UKCA Marking, China RoHS, KC Mark
Measurement function		At the selected time weighting, the following calculation values can all be
		measured simultaneously at the frequency weighting A and C. (For Lpeak,
		only the C-weighting can be measured.)
	Instantaneous value	Time-weighted sound level Lp
	Calculated values	Equivalent continuous sound level Leq
		Sound exposure level LE
		Maximum time-weighted sound level L _{max}
		Peak sound level L _{peak}
M	licrophone	Model: UC-52
		Sensitivity level (representative value): -33 dB (re. 1 V/Pa at 1 kHz)
Measurement level range		A-weighting: 30 dB to 137 dB, C-weighting: 36 dB to 137 dB,
		C-weighted peak sound level: 65 dB to 140 dB
Self-generated noise		A-weighting: Max. 24 dB (Typical 22 dB),
		C-weighting: Max. 30 dB (Typical 28 dB)
Measurement frequency range		20 Hz to 8 kHz
Frequency weighting		A-weighting, C-weighting
Time weighting		F (Fast), S (Slow)
Calculation interval		
	Lp, Lmax, Lpeak	20.8 μs (sampling frequency 48 kHz)
	Leq, LE	1 s

Calibration	A reference signal is input using sound calibrator NC-75/NC-74 or		
	pistonphone NC-72B/NC-72A, and the signal input sensitivity is adjusted		
	automatically or manually. Up to 999 calibrations can be managed in the		
	calibration history and saved.		
	*With auto-calibration, only the sound calibrator NC-75/74 can be used.		
Windscreen	Conforms to IEC 61672-1 class 2, JIS C 1509-1 class 2, and JIS C 1516		
	class 2, even when a windscreen is attached.		
Display	1.5-inch monochrome organic EL display Resolution: 128×128		
	Numeric value update cycle: 1 s, Bar graph update cycle: 100 ms		
Store	Manually starts or stops measuring and simultaneously calculates L_{eq} , L_{E} ,		
	L _{max} and L _{peak} before recording the results in a file.		
	Store data can be confirmed on the recall screen.		
Data storage capacity	Internal memory: Can store up to 200 data sets		
Measurement time	1 min, 5 min, 10 min, 1 h		
USB	Internal memory can be recognized by the computer as a removable disk		
	for data transfer.		
Power supply	AA battery ×2		
Operating time (23 °C,	Alkaline battery: Approx. 9 hours, Ni-MH rechargeable battery: Approx. 9 hours		
measurement status)	*The operating time with batteries will vary depending on the battery		
	manufacturer and type (model), the usage environment of NL-28,		
	and the measurement conditions.		
Operating temperature	Temperature: -10 °C to 50 °C		
and humidity range	Humidity: 10 % to 90 % RH (no condensation)		
Dimensions, weight	Approx. 200 mm (H) x 50 mm (W) x 34 mm (D)		
	Approx. 160 g (including batteries)		
Accessories	Windscreen WS-14 ×1, Windscreen fall prevention rubber ×1,		
	Hand strap ×1, USB port cover×1, Size AA alkaline batteries ×2		
Optional accessories	Sound calibrator NC-75, Pistonphone NC-72B,		
	Tripod for sound level meter ST-80		



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 (IAJapan) 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.

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