

Sound is an oscillation of air molecules caused by pressure differences. A sound emitting source causes the surrounding air to oscillate. The air transmits these pressure differences. Distinction is made between audible sound with approx. 16...16000 Hz, infrasonic waves with 0....16 Hz, and ultrasonic waves above 16000 Hz. These values are average indications, varying from person to person and depending on age.



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FEATURES

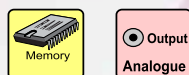
- Easy & quick measurement of the average sound level.
- Direct digital display in decibel (dB).
- Max. Hold.
- Selectable sample rate, Slow (1.5 s) /Fast (200 ms)
- Highly sensitive capacitor microphone.
- Recorder output
- Sound level measurement in accordance

TECHNICAL SPECIFICATION

Display	: 3½ Digit, LCD, 1999 Digits
Measuring Ranges/Resolution	
	: 35 to 100 dB / (0.1 dB)
	: 65 to 130 dB / (0.1 dB)
Accuracy	: ± 2 dB
Recorder Output	: AC: 0.7 Veff on 600 Ω, DC: 10mV/ dB on 100 Ω
Power Supply	: 1 x 9 V, IEC 6LR61
Dimensions	: 240 x 68 x 25 mm
Weight	: approx. 230 gram



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FEATURES

- Measurement of the sound pressure level
- Sound level measurement in accordance with frequency evaluation filters A and C, with direct, digital display in decibel (dB)
- Max Hold
- Selectable sample rate, slow/fast
- Tripod connection feature
- AC and DC voltage output for connecting to spectrum analyzers, level recorders, or FFT analyzers
- Data memory for 99 measurements

TECHNICAL SPECIFICATION

Display	: LCD, 4 Digit with bargraph
Measuring Ranges/Resolution	
	: 30 to 130 dB / (0.1 dB)
Frequency range	: 30 Hz to 12 kHz
Recorder Output	: AC: 1 Vrms at 5 KΩ, DC: 10mV / dB at 5 KΩ
Power Supply	: 1 x 9 V, IEC 6LR61
Dimensions	: 264 x 68 x 27 mm
Weight	: approx. 260 g



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FEATURES

- Sound Level measurement in accordance with frequency evaluation filter A with direct digital display in decibel (dB)
- Max Hold
- Time Evaluation Fast
- Tripod Connection Features
- Display of maximum sound pressure level

TECHNICAL SPECIFICATION

Microphone	: 1/2-inch electret condenser type
Total range	: 32 ... 130 dB
Accuracy	: ± 1.4 dB
Time weighting	: FAST (125 ms)
Frequency weighting	: A
Frequency range	: 31,5Hz ... 8kHz
Reference frequency	: 1 kHz
Reference level	: 94dB
Display	: 3 1/2 LC-Display 1999 Digit
Resolution	: 0.1dB
Sampling interval	: approx. 0.5 s
Power Supply	: 2 pcs. 1.5 V IEC R03 or LR03
Dimensions	: 206 x 42 x 25 mm
Weight	: approx. 100 g incl. batteries
Operating temperature	: 0 °C ...+40 °C/ 10 ... 90% RH
Storage temperature	: -10 °C ...+60 °C/ 10 ... 75% RH

**The lowest hearing threshold is 0 dB,
pain threshold is approx. 120 dB**