Metrix+™
Innovative Excellence

SOUND LEVEL METER

SL 4005

A,C & F

Measuring principle

Sound level meter measures the sound level in logarithmic scale. There is a diaphragm in the microphone which responds to changes in air pressure caused by sound waves. This sound pressure is converted into logarithmic scale and displayed.

Applications

Sound level meters are commonly used in noise pollution studies for the quantification of different kinds of noise, especially for industrial, environmental, mining and aircraft noise.

Features

- Data storage
- Built in calibration mode
- A,C & F frequency weightings
- Measuring level and time level selection

Technical Specifications

Model	SL 4005
Microphone	1/2 inch electret condenser machine
Measuring range	LP : 30 ~ 130dBA, 35 ~ 130dBC, 35 ~ 130dBF; Leq : 30 ~ 130dB; LN : 0 - 100%
Accuracy	±1dB
Frequency range	20 Hz ~ 12.5 kHz
Calibration	Built in 94dB at 1kHz(sinusoidal)
Alarm value set	30 ~ 130dB
Linearity range	50dB
Frequency weighting	A, C & F(flat)
Resolution	0.1dB
Data storage	30 groups
Time weighting selection	Fast / slow
Sampling frequency	2 times / sec
Power	1.5V AAA batteries
Size and weight	236 x 63 x 26mm, 170g
Standard accessories	Main unit, manual, battery, hard carry case
Optional accessories	PC interface