

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

- Color screen with negative display for better readability
- User friendly menu interface
- Bar-graph display
- Max/ min reading and data hold
- Time weighting level selection.
- Type C charging
- English and Hindi Manual



Technical Specifications

Model	Metrix+ SL 4001
Microphone	6mm condenser microphone
Measuring range	30 ~ 130dB (A)
Accuracy	±1.5dB(sound pressure std, 94dB @ 1KHz)
Frequency range	31.5 Hz ~ 8.5 kHz
Dynamic range	3.50dB
Overload Indication	"OVER" and "UNDER" symbols indication
Frequency weighting	A
Digital display	4-digit, resolution 0.1dB, sampling rate 2 times/sec
Bar graph display	Each analog bar represents 1dB, sampling rate 20times/sec
Power	600Mah/3.7V lithium battery, Type C charging
Automatic power off	After 15mins of no activity
Standard accessories	Main unit, manual, charging cable; gift box packing

Pictures:

