

Digital Sound Level Meter

This auto-ranging sound level meter is designed for accurate noise level measurement. It features a digital display showing sound levels in decibels (dB).



Overview

Professional Digital Sound Level Meter

The EM2242 is a high-precision sound level meter designed for versatile noise measurement across industrial, educational, and residential environments. Compliant with IEC 61672-1 Class 2 standards, it offers reliable performance for environmental monitoring and acoustic analysis. With features like MAX/MIN recording and dual frequency weighting, it provides professional-grade data for noise assessment tasks.

Key Performance Metrics

Featured Metrics

30 dB

Min Sound Level (A)

130 dB

Max Sound Level

0.1 dB

Resolution

Measurement Capabilities

Time Weighting Modes

- FAST (125ms)
- SLOW (1s)

| | |
|---------------------|--------------------------|
| Frequency Weighting | A Weighting, C Weighting |
| A Weighting Range | 30dB - 130dB |
| C Weighting Range | 35dB - 130dB |
| Frequency Range | 31.5Hz - 8kHz |

Technical Specifications

Standard Applied

IEC 61672-1 Class 2

| | |
|---------------|--|
| Display | 4 digits LCD |
| Dynamic Range | 50 dB |
| Microphone | 1/2 inch Electret condenser microphone |

Operating Conditions

| | |
|-----------------------|-------------------------|
| Operating Environment | 5°C - 40°C, < 80%RH |
| Operating Altitude | < 2000m above sea level |

Physical Characteristics

| | |
|---------|----------------------------------|
| Size | 193 x 67 x 44mm |
| Weight | Approx. 184g (including battery) |
| Battery | 9V battery (6F22 or equivalent) |