

# 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)