

Digital Sound Level Meter for Acoustics Measurement

This digital sound level meter is designed for measuring sound pressure levels in various environments. It features fast and slow response settings along with max/min hold functions for comprehensive sound analysis.



ADDITIONAL IMAGES



Overview



Professional Acoustic Measurement Solution

The HP-882C is a high-precision digital sound level meter designed for architectural acoustics, environmental noise monitoring, and industrial safety assessments. Featuring a wide measurement range of 30 to 130dB and an accuracy of $\pm 1.5\text{dB}$, it provides reliable data for professionals across various sectors. The device is equipped with essential functions like Max/Min hold and selectable response times to ensure comprehensive sound analysis in any environment.

Key Performance Metrics



Key Performance Metrics

30 dB

Min Range

130 dB

Max Range

1.5 ±dB

Accuracy

0.1 dB

Resolution

Technical Specifications

Frequency Range	31.5Hz - 8.5KHz
Linearity Range	50 dB
Sampling Frequency	2 times per second
Microphone	1/2 inch Electret Condenser microphone

Features & Functionality



Core Features	A-Weighting, Max/Min Hold, Fast/Slow Response, Auto Power Off, Backlight Display, Data Logging
Display	5-digit LCD

Physical & Environmental

Physical Dimensions

Parameter	Value
Dimensions	20.5 * 56.5 * 125mm
Weight	144g (including batteries)
Operating Temp	0 to 40°C
Operating Humidity	10 to 80% RH

Power Management



Power Source

2 x 1.5V AAA Batteries

Operating Time

Approximately 30 hours (alkaline batteries)

Applications



Target Applications

- Architectural Acoustics Measurement
- Environmental Noise Monitoring
- Industrial Safety Compliance
- Building Performance Assessment
- Home and Commercial Sound Testing