EMC&LVD

Sound Level Meter

User Manual

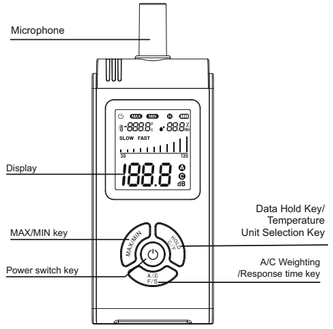


EN-00311-01

Please read this manual carefully before using the meter and keep it properly for future reference.

Introduction

The sound level meter is used to measure sound levels in various environments, such as factories, workshops, schools, residential areas, offices, and traffic roads. It is also suitable for noise engineering, product quality control, health prevention and control, etc. It can also measure humidity and temperature.



Display

Display Symbols	Explanation	Display Symbols	Explanation
⏻	Automatic power off	Ⓗ	Data hold indication
MAX	Maximum value	MIN	Minimum value
°C	Celsius	▭	Battery level
°F	Fahrenheit	SLOW	Slow response
FAST	Quick response	A	A weighted
dB	Measurement unit	C	C weighted



Operation

A. Precautions

- Avoid covering the microphone as it increases the measurement level of noise.
- Place the instrument with proper adjustment and direction for accurate measurement.
- Keep the instrument and microphone dry and avoid vibration.
- Remove the battery if not using the device for a long time.

B. Taking Measurements

1. Press the “ ⏻ ” button for 2 seconds to tum on the power, and long press to turn off the power.
2. After power-on, the meter will start displaying readings and enter the measurement mode.
3. Hold the meter and let the microphone face the sound source to be measured.
4. Read values from the display screen.

C. Fast/Slow Time Weighting Selection

1. Press the “F/S” button to select 'FAST'(125 ms) or ‘SLOW' (1 SEC) time weighting. 'FAST' or 'SLOW' displayed on the display.
2. Select the' FAST' response to capture noise peaks as well as fast-emerging noise. The 'SLOW' response is selected for consistent noise sound pressure levels and for averaging rapidly changing noise.
3. A fast response can be selected for most applications.

D. Data Hold

Press “HOLD” Key once to activate the data hold function. Press “HOLD” again to deactivate the function and return to normal measurement mode.

E. MAX / MIN

1. Press the “MAX/MIN” button once to put the meter in MAX/MIN mode. The meter will now display the highest reading that occurs while the function is enabled. The “MAX” icon will appear in the display.

2. Press the “MAX/MIN” button again to display the lowest reading that occurs while the function is enabled.
3. Long press the “”MAX/MIN”button to return to normal measurement function.

F. A/C Weighting Selection

Long press the “A/C” key to switch between A/C weighting.

G. Temperature Unit Selection

Long press the “°C/°F” key to select temperature units: °C/°F.

H. LCD Backlight Color

Noise Level	Backlight Color
<60dB	Green
60dB ≤ Noise <90dB	Yellow
>90dB	Red

Press any key to turn on the backlight. It will turn off after 2 minutes without any operation.

I. Auto Power Off

1. This meter has an automatic power-off function. The figure “ ⏻ ” displayed on LCD indicates this function is enabled. It will be powered off in 10 minutes without any operation.
2. To cancel this function, follow the steps as below: Before turning on this meter, press “ A/C F/S ” and keep holding. Then press “⏻” by another finger. Finally release both buttons at the same time to turn on this meter. “ ⏻ ” will not be displayed on the display, which means Automatic Power Off has been cancelled.
3. When this meter is restarted, Automatic Power Off will be enabled again.

J.Technical Indicators

Range	30-130dBA
	35-130dBC
Temperature	Range:-20.0°C ~ 60.0°C (-4.0°F~140.0°F)
	Accuracy: 0.0°C ~ 45.0°C (32°F~113°F) ±1.0°C/2.0°F Other: ±1.5°C/3.0°F
Humidity	Range: 0.0% ~99.9% RH
	Accuracy: 20%~80%： ±3.0% RH
	Other: ±4.0% RH
Frequency	30Hz-8kHz
Accuracy	±1.5dB(94dB@1kHz)
	±5dB (94dB@8kHz)
Frequency weighting	A weighting
	C weighting
Time weighting	FAST: 125ms
	SLOW: 1sec
Auto Power off	10 minutes
Power	3×1.5V AAA batteries
Size	58.6×27.6×156mm
Weight	102g

Maintenance

A. Replace Battery

Replace the batteries promptly when “ ▭ ” symbol appears on the display.

1. Open the battery compartment cover of the meter.
2. Remove the old batteries from the battery compartment.
3. Refer to the "+/-" markings inside the battery compartment (or on the battery cover), and insert the new batteries into the compartment smoothly according to the correct polarity.
4. Ensure the batteries are installed securely, then reattach and fasten the battery compartment cover.

B. Meter Cleaning

⚠ CAUTION

1. Do not use corrosive agents or solvents to clean the meter to avoid damage.
2. Clean the instrument regularly using a soft cloth slightly dampened with detergent or a dedicated cleaning solution.