

User manual

Sound Level Meter

Before using the instrument, please read this manual carefully, and save it well for future using.

Introduction

This sound level meter is used to measure the sound level of the environment: such as a factory, workshop, school, residence, office area, traffic road, audio, and so on. Also suitable for noise engineering, product quality control, health prevention and control, etc. It can also measure ambient temperature and humidity.

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Display Screen

Symbol	Description	Symbol	Description
	Auto power off		Data hold
MAX	Maximum value	MIN	Minimum value
°C	Celsius	RH%	Humidity unit
°F	Fahrenheit		Low battery
FAST	Quick response	SLOW	Slow response
A	A weighted	dB	Decibel unit
C(model B) C weighted			

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Operation

Considerations

- Wind blowing across the microphone increases the noise measurement. Cover the microphone with the included windscreen when in use.
- The sound level meter has been calibrated before leaving the factory, please use it with confidence
- Do not store or operate the instrument in areas of high.
- Keep the meter and microphone dry.
- Avoid severe vibration.
- Remove the battery when the meter is to be stored for long periods of time.

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Measurement

- Open the protection cover of the meter.
- Press the button for 2 seconds to turn on the power.
- After the power is turned on, the meter will start to display the sound pressure level reading.
- Hold the meter and let the microphone face the sound source to be measured.
- Read the measured value from the display.
- Press the button to turn off the power.

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Fast/slow time weighted selection

Use the button to select 'FAST' (125 ms) or 'SLOW' (1 sec) time weighting. Depending on the selection, 'FAST' or 'SLOW' appears on the display.

Select the 'FAST' response to capture noise peaks as well as fast-emerging noise. The 'SLOW' response is selected to monitor sound sources with consistent noise sound pressure levels, and average out rapidly changing noise. A fast response can be selected for most applications.

Data hold

Press the button to enable the data hold function. Press the button again to turn off the data hold function and return to the normal measurement function.

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Backlight

Press the button and hold it for 2 seconds to enable or disable the backlight function.

MAX/MIN function

Press the button to enable the maximum and minimum functions, and then press the button to display the maximum and minimum values. Press and hold for about 2 seconds to return to normal measurement function.

Temperature unit selection

Press the button to shift the temperature unit, °C or °F.

A/C weighted selection(for model B)

Press and hold for about 2 seconds to switch A or C weighted.

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Automatic Power Off

When the instrument is turned on, the symbol is displayed. The automatic shutdown function is turned on by default. If there is no operation within 10 minutes, the meter will automatically shut down.

If you need to cancel the automatic shutdown function, press and hold the button before turning on the instrument, then press the button to turn on the power of the instrument, release the button after turning on the instrument, and the auto-off function will be canceled.

Restart the instrument after shutdown to restore the automatic shutdown function.

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Specifications

Display screen		LCD display
Sound level measurement	Range	30-130dBA 30-130dBC(model B)
	Frequency	30Hz — 8KHz
	Dynamic Range	50 dB
	Accuracy	±1.5dB (94dB@1KHz) ±5dB (94dB@8KHz)
	Frequency weighting	A weighting C weighting(for model B)
	Time weighting	FAST: 125ms, SLOW: 1sec

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	Microphone	Electret condenser
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 Others: ±1.5°C/3.0°F
Humidity	Range	0.0% ~99.9%RH
	Accuracy	20%~ 80%: ±5.0RH; Others: ±6.0RH
Operating conditions		0~50°C, <80%RH, altitude less than 2000m
Storage conditions		-10~50°C, <80%RH Remove the battery

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Auto power off	10minutes
Power	3 x 1.5VAAA batteries

Maintenance

Battery replacement

When the meter shows the symbol "", please replace the battery in time.

Cleaning

Caution

To avoid damaging the case, do not use corrosive agents or solvents to clean the instrument.

Wipe the shell regularly with detergent or a damp cloth and detergent.

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