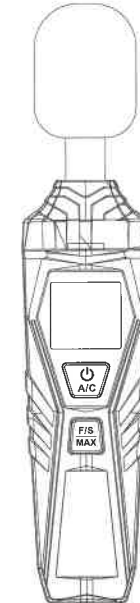



# Sound Level Meter



Made in China

CE RoHS    M101050129

 Please read this manual carefully before using this product and keep it properly for future use.

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## FUNCTION DESCRIPTION

Before using this product, please read this manual carefully. It's intended to instruct you on how to properly operate the product.

This noise meter can be used for noise engineering, quality control, health prevention and various environmental noise measurements . For example , noise measurement applications in factories , offices , traffic roads , homes , audio and other occasions.

### 1. FUNCTION DESCRIPTION

This product is a high-precision noise meter with an accuracy of 2.0dB.

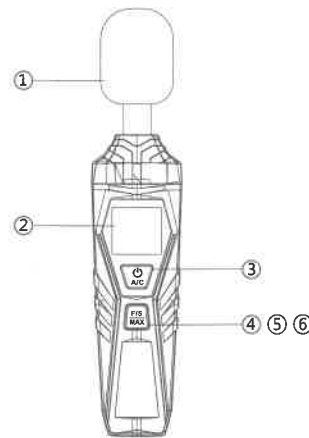
1. This noise meter complies with IEC61672-I CLASS2 of International Committee.
2. Noise measurement range is 30-130 dB.

### 2. SPECIFICATIONS

1. Noise accuracy:  $\pm 2.0\text{dB}$  ( reference sound pressure level standard, 94dB@1KHz)
2. Frequency response: 31.5Hz~8KHz
3. Measurement range: 30~130dB
4. Digital display: 4-bit LCD display with resolution of 0.1dB
5. Dynamic characteristics: FAST (fast) and SLOW (slow) reaction rates

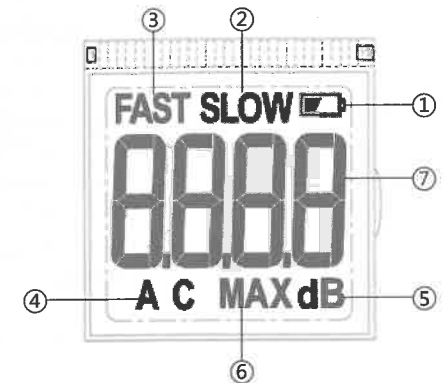
6. Power supply: 2x1.5V AAA
7. Working temperature and humidity: 0~+40°C, 10~80%RH
8. Storage temperature and humidity: -10~+60°C, 10~70%RH
9. Overall dimension: 195x42x24mm
10. Weight: 147g (including battery)

### 3. FUNCTION INTRODUCTION



1. Microphone and sponge ball
2. Display panel
3. Power switch: short press for power on and long press for power off
4. FAST(F Fast): It uses a time constant of 125 milliseconds for general environment measurement.
5. SLOW(S-SLOW) : It uses a time constant of 1 second, and is used to measure the environment with great change in noise value.
6. MAX: Maintain the maximum measured value.

### 4. DESCRIPTION OF LCD PANEL



1. Battery under-voltage indication
2. SLOW measurement
3. FAST measurement
4. A/C weighting
5. dB measurement unit
6. MAX Maintain maximum measurement value
7. Measure the display value

#### 5. OPERATING STEPS

1. Press the power button shortly to turn on the meter, and press it for 2 seconds to turn off the power.
2. Press the power button shortly to switch A/C weighting after starting up.
3. Press the "F/S/MAX" key to switch the measuring speed and place the microphone in the environment to be measured.
4. Press the "F/S/MAX" key for 2 seconds to switch to the MAX Maintain maximum measurement value function and measure the maximum noise in the environment, press the "F/S/MAX" key again for 2 seconds and exit from MAX Maintain measurement value function.

#### 6. AUTOMATIC SHUTDOWN FUNCTION

1. If there is no operation after 10 minutes of startup, the instrument panel will automatically shut down. This function is enabled by default on the instrument panel.

2. In the shutdown state, press and hold the MAX key and the power button at the same time. The instrument power on screen will display OFF, and the automatic shutdown function will be turned off at this time. After manual shutdown, the automatic shutdown function will be automatically restored the next time it is turned on.

#### 7. PRECAUTIONS

1. When the battery power is insufficient, an "Under-voltage"-sign appears on the LCD panel, and a new battery must be replaced.
  2. Open the screw of the battery cover on the back of the instrument, remove the battery cover and replace the battery with a new one.
  3. Put the battery cover back and lock the screws.
  4. Do not use it in hot and humid places.
  5. Please take out the battery when you don't use the meter for a long time to avoid electrolyte leakage from damaging it.
  6. For the noise measurement outdoors, make sure that the microphone probe is equipped with a sponge ball to avoid the microphone being directly blown by the wind, so as to reduce the interference of wind on the tester.
  7. Display backlight. The backlight of the product is always on. Do not turn off the backlight.
- Operating environment conditions: relative humidity <80%RH, working environment temperature 0 ~ 40°C