Sound Level Meter
Instruction manual

Version No.: EN-00

I. Introduction

The appearance design of digital sound level meter is novel, small and portable. The digital sound level meter is applicable for measurement of noise engineering, quality control, health prevention and various environmental noise, including noise measurement in such various places as factories, offices, transporting routes, families, stereo equipment and other places.

Production Function:

- Sound level measurement;
- MIN/MAX/ Current value Three types of measurement options;
- Hold the measurement data;
- LCD backlight function;
- Manual/auto shut off;
- Over reading backlight alarming;

II. Calibration Method

*Please use 94dB@1KHz standard sound source

1、Carefully plug the microphone head in 1/2 inch hole of standard sound source (94dB@1KHz);

2、Turn on the power switch of standard sound source (94dB@1KHz), use straight screwdriver to adjust potentiometer located in the opening hole within the machine stick, and make LCD display 94.0(referring to Figure 1).

* The meter has been adjusted properly; the recommended calibration interval is one year.

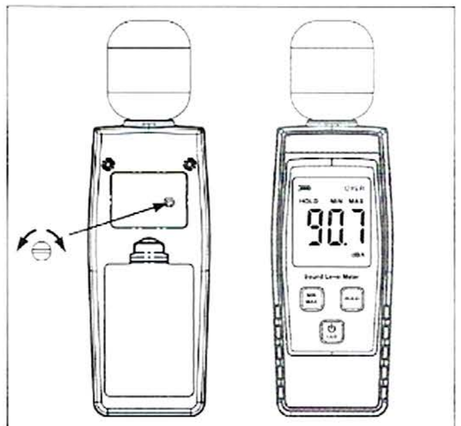

Figure 1

III. Name of Each Component (referring to Figure 2)

1. Power switch/Backlight button
2. Maximum/Minimum locking key
3 Measurement data hold key
4. LCD display
5. Electric condenser microphone
6. Wind-resistant ball
7. Calibration knob
8. Battery door

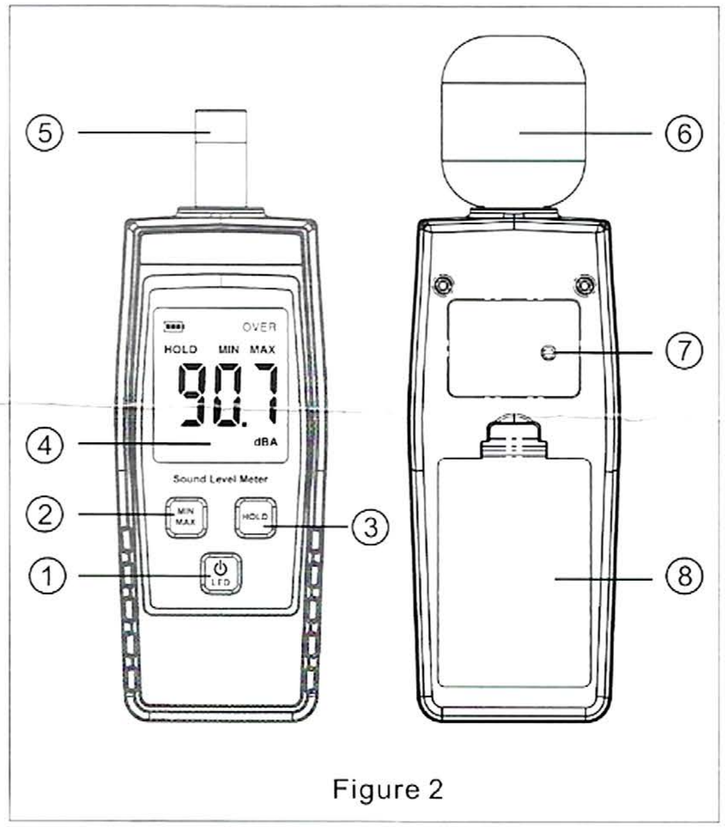

Figure 2

IIII. LCD Display (referring to Figure 3)

1. Battery power sign
2. OVER warning sign/reading exceeding measuring range
3. Data hold
4. Maximum value
5. Minimum value

6. Sound level reading value
7. Sound level unit (A weighting)

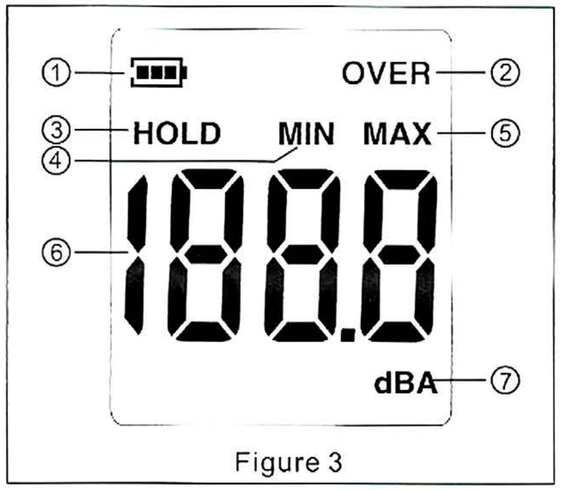

Figure 3

V. Operating Instructions

1. Open the battery cover, put 3 AAA size batteries of 1.5V, (see Figure4).
2. Close the battery cover.
3. Read the sound level:
   Press the power button" ⏻ LED ", after the 1s full screen of LCD panel,instantly display the sound level value of the current environmental noise, the value changes according to the sound level of the environmental noise.

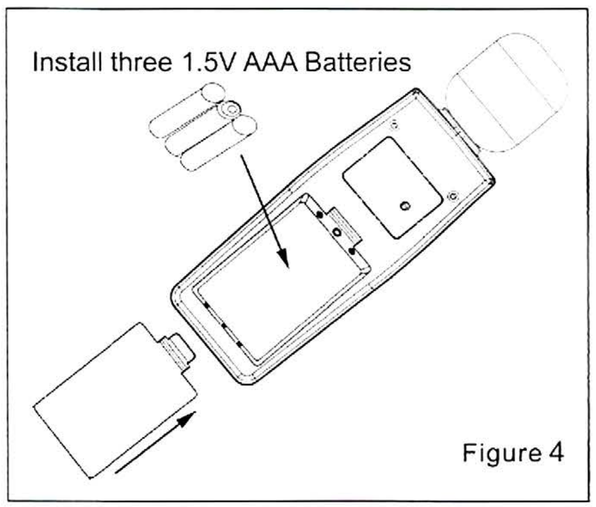

Figure 4

4. Lock the minimum sound level value:
   Press " MIN MAX ", enter "MIN" measuring mode; the current value will be locked until the minimum value appears and replaces the current value.
5. Lock the maximum sound level value:
   Press " MIN MAX " again, enter "MAX" measuring mode, the current value will be locked until the maximum value appears and replaces the current value, press " MIN MAX " again, return to measuring mode.
6. Measuring data retention:
   Press " HOLD ", the current measuring value will be locked, press" HOLD " again, quit the lock.

7. LCD backlight operating:
   Momentarily press " ⏻ LED ", LCD backlight is on, press " ⏻ LED "momentarily again, LCD backlight is off.

8. Shut off:
   The meter will automatically power off by default for 10 minutes without any operation, or press " ⏻ LED " for two seconds, the meter will be turned off by manual, Press " ⏻ LED " for three seconds to power on, the LCD displays "UOF", the meter just can be turned off by manual other than automatic power-off.

9.Backlight alarming setting:

1) After turning on, press Hold key until the character HOLD displays onLCD.

2） Press the key for about 2 seconds to power on When the dBA disappears at the right bottom of the LCD, the alarming setting interface is ready for operation.

3） Pressing the key Min/Max and key Hold is to decrease or increase the value of alarming.

4） Pressing the on/off key is to save the alarming value set, and the measuring mode resorted. If the current value is beyond the setting, the backlight flashes.

VI. Considerations

1.When the electric power of battery is insufficient," ▭ " symbol may appear on LCD to show that the electric power of battery is insufficient; the new battery must be replaced.
2.Please do not use the meter under a high temperature and humidity environment.
3.Please take out the batteries no use for a long time to avoid electrolyte leakage and damaging the meter.
4.When measuring the noise outside, please mount the wind-resistant ball on the head of the microphone to prevent the microphone from being directly blown by wind and measuring other noise.

Product Maintenance:

1.Regularly wipe the meter with a dry cloth, please do not use solvent to clean up the meter.

VII. Technical Parameters

Measuring Range	30~130dBA
Accuracy	±1.5dB (94dB，25℃ ±2℃)
Frequency Response	31.5Hz~8KHz
Frequency Weighting Features	A Weighting
Resolution	0.1dB
Working Temperature and Humidity	0~40℃，10~80%RH
Storage Temperature and Humidity	-10~60℃，0~90%RH
Power Source	3*1.5V AAA Batteries
External Dimension	49*33*159mm

Specific Declarations:
Our company shall hold no any responisibility resulting from using output from this product as an direct or indirect evidence.
We reserves the right to modify product design and specification without notice.