Digital Sound Level Meter
Operation manual

Version: 1351-EN-00

A. Introduction

This equipment has been designed to meet the measurement requirement of Safety Engineers, Health, Industrial Safety offices and Sound Quality control in various environment, which include factory, office, traffic, family, and audio system.

This equipment has the following functions:

1. It is designed according to the IEC651 TYPE2 & ANSI S1.4 TYPE2
2. Modern, conpact, portable design
3. Accuracy up to: ± 1.5 dB
4. Measurement range: 30dBA-130 dBA
5. MAX/MIN Hold
6. Auto backlight display
7. Auto power OFF

B. Safty Notice

Operation Environmental condition:

1. Below 2000 meters in height;
2. Humidity: <80%RH
3. Operation temperature: 0~40℃

Maintenence:

Use dry cloth to clean the unit, but never with any solvent.

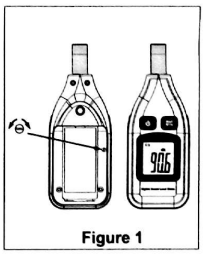

Figure 1

C. Calibration Procedures

Please use a Standard Acoustic Calibrator.

1. Turn on the calibrator and set up the status to 94dB@1KHz.
2. Insert the microphone carefully into the 1/2 inch hole of the Calibrator.
3. Turn on the Calibrator and adjust the Protentiometer

inside the battery compartment of the unit (shown in the Figure 1), until the LCD display the desired Level 94.0dB.

**Our products are all well calibrated before Shipment. Recommended recalibration cycle: 1 year.

D. Name and functions (Figure 2)

1. Electret Condenser Microphone.
2. LCD Display.
3. ON/OFF button
4. Maximum /Minimum value hold button. (MAX/MIN)
5. Light sensor
6. Tripod mounting nut
7. Potentiometer
8. Windscreen

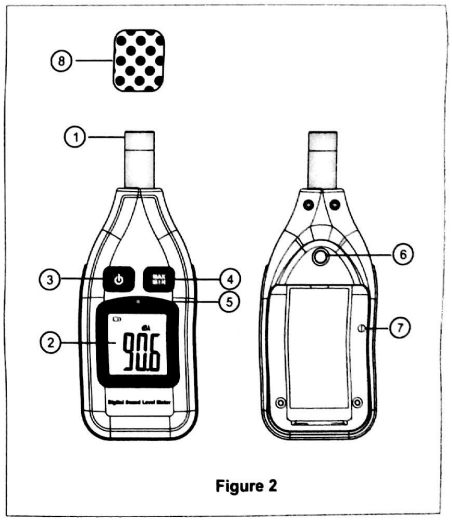

Figure 2

E、LCD Display (Figure 3)

1. Low battery indication
2. Measuring Value
3. Maximum value icon
4. Measuring unit: dBA
5. Minimum value icon

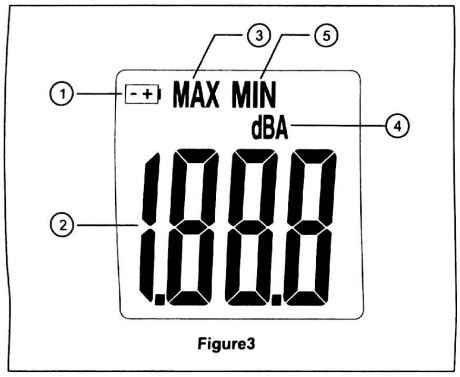

Figure3

F. Pre-operations

1. Open the battery door and install 9V battery into the battery compartment.

2. Cover the battery door.

3. When Low battery mark " ⊟ " appears, please replaced with a new 9V battery. (Figure 4)

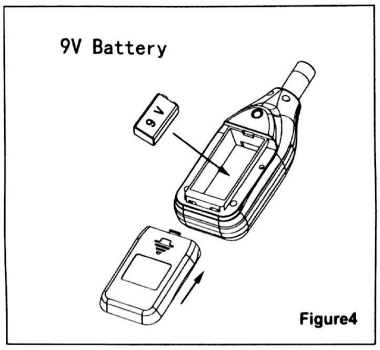

Figure4

G. Operation

1. Standard measure mode
   Press to " ⏻ " turn on the unit the LCD will display full screen for 1 second. Then it start to measure the current sound level.
   The reading will changed according to the sound level of the current enviroment.

2. Max/Min hold
   Press the "MAX/MIN" button to enter into MAX measuring mode and the current reading will be locked until the larger reading is picked up to replace it;press the "MAX/MIN" again to enter into MIN measuring mode and the current reading will be locked until the smaller reading is picked up to replace it; press "MAX/MIN" again to return to the normal mode.

3. Auto backlight display
   The light sensor will induct the light inteasity of enviroment automatically: when the light intensity is insufficient, the backlight will be turned on automatically. It will changing according to the light intensity.

4. Auto power off
   This unit will shut off automatically in about 11 minutes.

To cancel this function, press " ⏻ " continuously till "UOF" display on the LCD, the auto power off function will be renewed in next turn on.

H. Caution

1. Do not operate the unit at high temperature and high humidity environment.
2. Please take out battery from unit if not in use for any extended period of time.
3. When using the unit in the presence of wind, mount the windscreen to avoid to pick up undesired signals.

I. Specification

Measuring range	30dBA~130dBA
Accuracy	± 1.5 dB (94dB@1KHz)
Frequency range	31.5Hz~8KHz
Frequency weighting	A
Digital Display	4digits
Resolution	0.1dB
Sample rate	2 times/second
Microphone	1/2 inch electret condenser microphone
Power supply	9V Battery
Power life	About 30 hours (alkaline battery)
Operating condition	0~40℃, 10~80%RH
Storage condition	-10~60℃, 10~70%RH
Weight	144g (including battery)
Dimension	57*26*149mm

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.

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