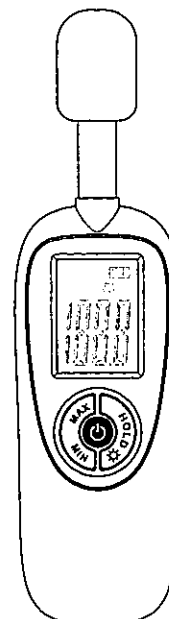


Sound Level Meter

Instruction Manual



HT-90A

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I. Safety information

- ◇ Don't dismantle or remodel the product without authorization.
- ◇ Don't touch the metal microphone with hands when noise is measured.
- ◇ Don't use and store the instrument in high temperature, high humidity, inflammable, explosive and intensive electromagnetic field environment.

● Environmental condition

1. Please take out the battery if the product is not in use for a long time.
2. Please use soft cloth and neutral cleanser to wipe enclosure of the instrument regularly.
3. Don't use abramer or corrosive solvents for cleaning to avoid damage to the instrument.

● Maintenance and cleaning

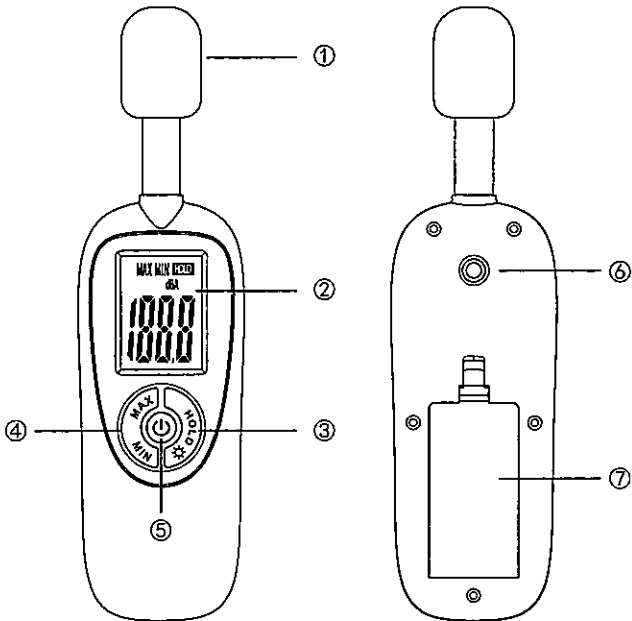
1. Elevation: below 2000 meters
2. Relative humidity: 80%RH maximally
3. Surrounding environment for operation: 0~50 C

II. Overview

Thank your for using our sound level meter. In order to use the product in an even better fashion, we remind you to read the instruction for use carefully before use.

The sound level meter is designed according to health and measurement requirement of industrial safety and can be used for noise measurement in all types of occasions such as offices, families, factories, hospitals and schools.

III. Introduction to structure and function



① Windshield

If you operate when the wind speed exceeds 10m/sec, please sleeve the windshield onto the microphone.

② LCD screen

③ Data hold key

Press the key. When "HOLD" is displayed at the top of the screen, this indicates that the function starts. Press the key again to exit from the function. Press and hold this button to turn the backlight on or off.

④ Maximum/minimum value hold key

Press the key to make switching among maximum value hold, minimum value hold and current value three states.

Maximum value hold: "MAX" displayed on the top of the screen indicates the function of maximum value hold starts. The instrument always displays the maximum reading.

Minimum value hold "MIN" displayed on the top of the screen indicates the function of minimum value hold starts. The instrument always displays the minimum reading.

⑤ Power key

Press the key to power on/off.

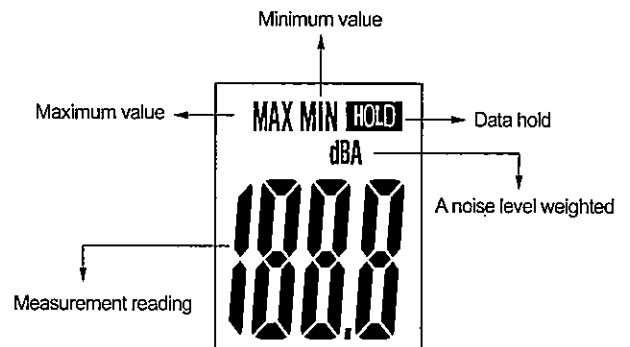
⑥ Tripod hole

The sound level meter may be fixed on the tripod.

⑦ Battery cover

Open the battery cover and install 6F22 type 9V battery. When the screen displays vaguely or it fails to power on, please replace the battery.

IV. Display information description



V. Measurement

- 1). Open the battery cover and install a 9V battery. Switch on the power supply.
- (2). Hold the sound level meter in hand or fix it on tripod. Point the microphone towards the sound sources to be measured and the display screen will show the reading of measurement.
- (3). When MAX/MIN (maximum/minimum value hold) mode is selected, the sound level meter will display maximum/ minimum reading.
- 4) Power off the instrument and take out the battery when it is not used.

VI. Specification

- Frequency range: 31.5Hz ~ 8KHz
- Response speed: 0.5 seconds
- Microphone: 1/2 inches polarization capacitance microphone
- Liquid crystal display: 3 digits and a half
- Resolution ratio: 0.1dB
- Sound level: A -Sound level weight
- Range: 30 ~ 130dB
- Precision: ±1.5dB (under the reference condition of 94dB and 114dB, 1KHz)
- Automatic power off: About 15 minutes (no key operation)
- Energy provision: A 9V battery
- Energy life: about 50 hours (alkaline battery);
- Operation temperature: 0 ~ 50 C
- Operation humidity: 10% ~ 80%RH
- Storage temperature: -10 ~ 60 C
- Storage humidity: 10% ~ 75%RH
- Size: 206.2mm×56mm×45.7mm
- Weight: 112g (battery not included)
- Accessory: 9V battery, instruction for use and windshield