

Mini Sound Level Meter User's Manual

1 . Safety

Read the following safety information carefully before attempting to operate or service the meter. Use the meter only as specified in this manual; otherwise, the protection provided by the meter may be impaired.

Environment conditions :

- ① RH < 90RH % (Non-condensation)
- ② Operating temperature : -20℃-- 60℃/-4°F- 140°F

Maintenance

- ① Repairs or servicing not covered in this manual should only be performed by qualified personnel.
- 2) Wipe the unit with a dry soft cloth periodically. Do not use abrasives or solvents on this instrument.

Safety symbol:

Comply with EMC

2. Introduction

This unit adopts condenser microphone as the sensor, high configuration MCU calculation, high accuracy, fast response. This Sound Level Meter is designed to meet the measurement requirements of safety Engineers, Health, Industrial safety offices and sound quality control in various environments like factory, school, construction, etc.

3. Features

- High accuracy, fast response
- Color LCD display with backlight
- Temperature measurement
- MAX. MIN
- Data HOLD
- Wide frequency range
- Fast/slow time weighting
- Over range indication

4. Basic Operation

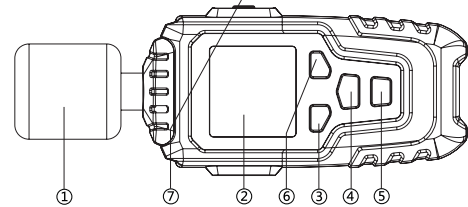
- ① Open battery cover and install 3 *1.5V AAA batteries in the battery compartment.
 - ② Power on:press " " to power on, the meter conducts self-inspection, after LCD displays, it measures temperature and humidity automatically.
 - ③ After testing, press " " to turn off the meter.
- Note: Remove the battery when the meter is to be stored for

long periods of time to avoid battery leakage.

5. Specification

Applied Standard	IEC61672-I CLASS2
Measuring level range	35dB~135dB
Dynamic range	50dB
Frequency range	31.5Hz~8KHz
Accuracy	±2.0dB
Frequency weighting	A frequency weighting
Microphone	1/2 inch
Time weighting	FAST:125ms/ SLOW:1s
High/low reading	>100dB, LCD displays "Hi"
	<100dB, LCD displays "LO"
Temperature accuracy	±1.5℃/2.7°F
Resolution	0.1
Data update	300ms
Battery life	at least 60 hours
Enable/Disable Auto power off	The meter shuts off automatically after 15 minutes inactivity under auto power off mode, disable auto power off is available
Battery	3*1.5V "AAA" batteries
Operating conditions	-20℃~ 60℃ /-4 ~ 140°F ,10 RH%~90 RH%
Storage conditions	-20℃ ~60℃ /-4~140°F,10 RH%~ 75 RH%
Dimensions	147*59*30mm
Weight	106g

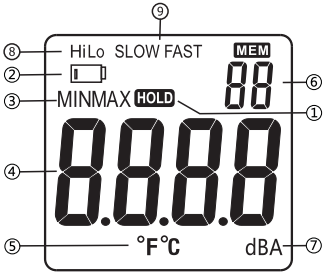
6. Meter description



- ① Windscreen microphone cover
- ② LCD Display
- ③ Fast/ Slow selection key
- ④ MAX/MIN
- ⑤ Power on/off button
- ⑥ SEL button

⑦ Hold button

7. LCD display description



- ① Data hold Icon
- ② Battery Indicator
- ③ MAX/MIN Icon
- ④ Value Display
- ⑤ Temperature unit Icon
- ⑥ Measure
- ⑦ Frequency weighting Icon
- ⑧ Hi/Lo Icon
- ⑨ Fast/Slow Icon

8. Operation instruction

- ① Power on/off: press " " to turn on/off the meter
- ② "Data Hold: In measuring mode, press" " "HOLD" Icon will appear on the LCD which indicates the data is freedzed, to Release the held reading, press " " again
- ③ MAX/MIN :in measuring mode, press " " MAX will appear on the LCD, The captured maximum sound level will be displayed on the LCD, press " " again, MAX will appear on the LCD, The captured minimum sound level will be displayed on the LCD. long press " " the meter exit MAX/MIN measurement mode and back to normal measuring mode.
- ④ UNITS KEY with the meter on , press UNITS to select FAST(125 s) or Slow(1s) time weighting measurement.
- FAST: Fast sampling measurement, 1 time per 125ms.
- SLOW: Slow sampling measurement. 1 time per

second

8.5 Use of compound key;

- 8.5.1 With power on meter and press SEL button to activate temperature function , and then press UNITS to shift temperature unit between °C and °F .
 - 8.5.2 With the meter off, press " " first and hold, then press " " to turn on the meter, " " Icon on the LCD display disappear, which indicates the power off function is disabled, you need to turnoff the meter through pressing " " by manual.
- Note: When " " icon displayed on the screen. it indicates that the meter will automatically turn off After approx. 15 minutes of inactivity.

9. Notes

- ① This meter has already been calibrated before delivery. Do not revise the calibration parameters without professional personnel and device.
- [Note] A1l products are well calibrated before delivery. Recommended recalibration cycle: 1 year.
- ② Repairs or servicing not covered in this manual should only be performed by qualified personnel.
- ③ Wipe the unit with a dry soft cloth periodically. Do not use abrasives or solvents on this instrument.
- ④ Remove the battery when the meter is to be stored for long periods of time to avoid battery leakage.
- ⑤ when the battery is low, LCD display " " A new battery is needed.
- ⑥ Do not store or operate the meter in high temperature or humidity.
- ⑦ Wind blowing across the microphone increases the noise measurement. Use the supplied windscreen to cover the microphone when appliance.
- ⑧ Keep microphone dry and avoid severe vibration.

10.Accessories:

- ① User's manual
- ② 3*1 .5V AAA Battery
- ③ Windscreen