Mini Sound Meter With Temperature

Model No.: MS-911

Thank you for purchasing MEET Mini sound Meter

1. Contents

- Sound meter
- Operating manual

2. Descriptions

This unit use condenser microphone as the sensor, high configuration MCU calculation, high accuracy, fast response. This Sound Level Meter is designed to meet the measuremet requirements of safety engineers, health, industrial safety offices and sound quality control in various environments like factory, school, construction sites, etc.
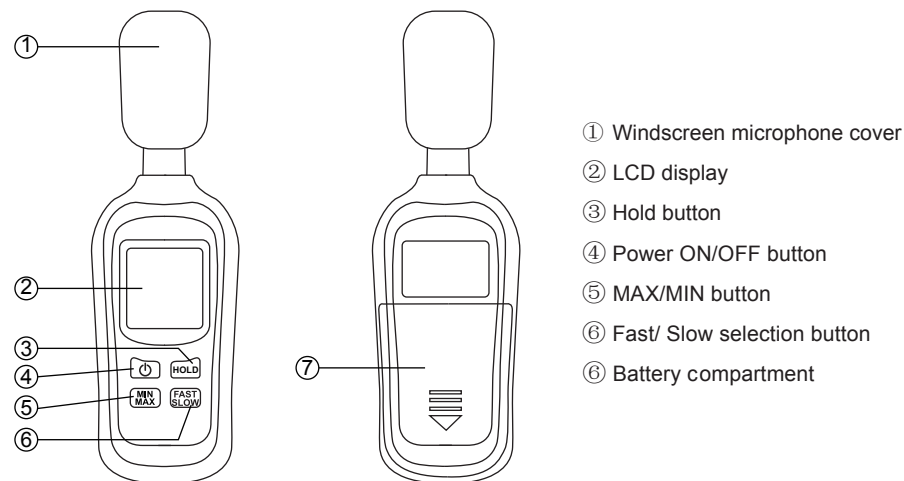
3. Advanced Features

- High accuracy, fast response
- Temperature measurement
- Wide frequency range
- Color LCD display with backlight
- Fast / slow time weighting
- Over range indication
- MAX / MIN record reading
- Enable / Disable auto power off (APO)
- Low battery indication
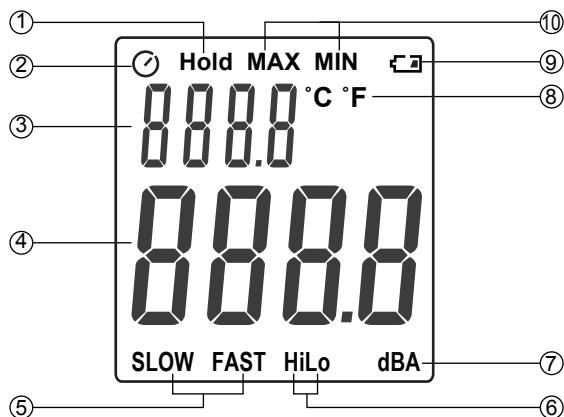- Hold / Freeze reading

4. Specifications

Display	4 digits color LCD display
Measuring level range	35dB~135dB
Dynamic range	50dB
Frequency range	31.5Hz~8KHz
Accuracy	±2.0dB
Frequency weighting	A frequency weighting
Time weighting	FAST : 125ms / SLOW : 1s
Microphone	1/2 inch electrets condenser microphone
High / low reading indication	>100dB, LCD displays "Hi" ; <100dB,LCD displays "LO"
Range (Temp.)	-20ºC ~ 70ºC / 4ºF ~ 158ºF
Accuracy (Temp.)	±1.5ºC / 2.7ºF
Data update	0.3s
Resolution	0.1
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
Applied Standard	IEC61672-1 CLASS2
Operating Condition	-20ºC ~ 60ºC / -4ºF ~ 140ºF; 10% RH ~ 90% RH
Storage Condition	-30ºC ~ 60ºC / -4ºF ~ 140ºF; 10% RH ~ 75% RH
Battery Powered / Battery Life	3 x AAA (R03 / LR03) / > 60 hours
Demensions (L x W x D) mm (approx.)	145x57x31
Weight (approx.) grams	75

5. Descriptions

① Windscreen microphone cover

② LCD display

③ Hold button

④ Power ON/OFF button

⑤ MAX/MIN button
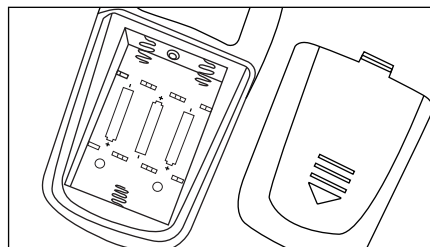
⑥ Fast/ Slow selection button

⑥ Battery compartment

6. LCD display explanations

① Hold / Freeze reading icon

② Auto power off icon

③ Temperature readings

④ Sound level readings

⑤ Fast / Slow icon

⑥ Hi / Lo icon

⑦ Frequency weighting icon

⑧ Temperature unit icon

⑨ Low battery indication icon

⑩ MAX/MIN reading icon

7. How to replace the battery

When the battery warning icon '⊏⊐' display on the LCD, push the battery cover out and replace 3 pcs. fresh AAA battery as the correct polarity. To avoid chemical leakage from the battery, remove the battery if you are intended not to use the meter for a while

8. How to use

A) Power ON / OFF function

Power On / Off, press " ⊙ " to turn on / off the meter. Backlit will be on once meter is power on.

B) Data Hold : In measuring mode, press " HOLD ", "HOLD" icon will appear on the LCD, which indicates the data is freezed, to release the held reading, press " HOLD " again.

C) 'MAX/MIN' : in measuring mode, press " MIN MAX ", "MAX" will appear on the LCD, the captured maximum sound level will be displayed on the LCD, press " MIN MAX " again, "MIN" will appear on the LCD and the captured minimum sound level will be displayed on the LCD. Long press " MIN MAX ", the meter exit MAX/MIN measurement mode and back to normal measuring mode.

D) '(Fast Slow)'button: with the meter on, press "(Fast Slow)" to select FAST (125mS) or slow(1s) time weighting measurement.

FAST : Fast sampling measurement,1 time per 125ms.

SLOW : Slow sampling measurement, 1 time per second

E) Use of compound button

i) With the meter off, first press and hold " HOLD " then press " ⊙ " to turn on the meter. It can change temperature unit (ºC/ºF), ºC is preset.

ii) With the meter off, first press and hold " MIN MAX " then press " ⊙ " to turn on the meter. " ⊘ " icon on the LCD disappears which indicates the 'auto power off ' function is disabled, you need to turn off 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

A) This meter has already been calibrated before delivery. Do not revise the calibration parameters without professional personnel and device.

☞ All products are well calibrated before delivery.Recommended recalibration at 1 year intervals.

B) Repairs or servicing not covered in this manual should only be performed by qualified personnel.

C) Wipe the unit with a dry soft cloth periodically. Do not use abrasives or solvents on this instrument.

D) Remove the battery when the meter is to be stored for long periods of time to avoid battery leakage.

E) When the battery is low, LCD display " ⊏⊐ ", a new battery is needed to replace.

F) Do not store or operate the meter in high temperature or humidity.

G) Wind blowing across the microphone increases the noise measurement, Use the supplied windscreen to cover the microphone when appliance.

H) Keep microphone dry and avoid severe vibration.

Other products from MEET

Lux / Light Meter

2 in 1

- 0 to 200,000 Lux
- Auto range
- Measures Lux or Foot-Candles (FC)
- High accuracy and fast response sampling time
- With Temperature measurement
- Convert temp. in °C / °F
- Color LCD display with backlight
- Over range indication
- MAX / MIN record reading
- Enable / Disable auto power off (APO)
- Low battery indication
- Hold / Freeze reading

MS-912

Temperature and Humidity meter

2 in 1

- Measure Humidity, Air / Dew Point / Wet Bulb Temperature
- High accuracy humidity & temperature sensor
- MAX. / MIN. reading display
- Color LCD display with backlight
- Convert temperature in °C / °F
- Over range indication
- Enable / Disable auto power off (APO)
- Low battery indication
- Hold / Freeze reading

MS-913

Anemometer

2 in 1

- High accuracy, fast response
- Air velocity and temperature measurement
- Selectable measurement units: m/s, ft/min, MPH, km/hr or knots
- MAX. / MIN. reading display
- Color LCD display with backlight
- Convert temperature in °C / °F
- Over range indication
- Enable / Disable auto power off (APO)
- Low battery indication
- Hold / Freeze reading

MS-915