



# Mini Psychrometer Meter

Model No.: MS-913

Thank you for purchasing MEET Mini psychrometer Meter

## 1. Contents

- Psychrometer meter
- Operating manual

## 2. Descriptions

The Psychrometer Meter is designed with a high accuracy humidity & temperature sensor, providing high accuracy, fast response and stable readings. It is widely used for measurement of temperature and humidity of room, metro, library, commercial center, communication center room, etc.

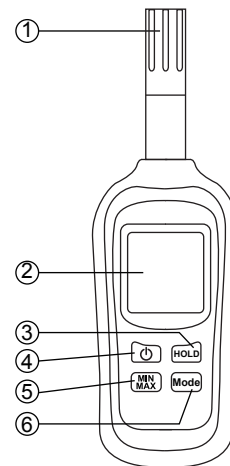
## 3. Advanced Features

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

## 4. Specifications

Display	4 digits color LCD display
Measuring Range (Humidity)	45 ~ 75% RH
Accuracy (Humidity)	(45 ~ 75% RH) ±3% RH ; (<45% RH or >75% RH) ±4.5% RH
Range (Air temp.)	-20°C~70°C / 4°F~158°F
Accuracy (Air temp.)	±1.0°C / ±1.8°F
Range (Dew point temp.)	-20°C~70°C / 4°F~158°F
Accuracy (Dew point temp.)	±1.5°C / ±2.7°F @25°C, 40~100% RH
Range (Wet bulb temp.)	-20°C~70°C / 4°F ~ 158°F
Accuracy (Wet bulb temp.)	±1.5°C / ±2.7°F
Resolution	0.1
Data update	2 / Sec.
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
Operating Condition	-20°C~60°C / -4°F~140°F; 10% RH~90% RH
Storage Condition	-30°C~60°C / -4°F~140°F; 10% RH~75% RH
Battery Powered / Battery Life	3 x AAA (R03 / LR03) / ≥ 50 hours
Dimensions (L x W x D) (approx.) mm	168.5x56x31
Weight (approx.) grams	75

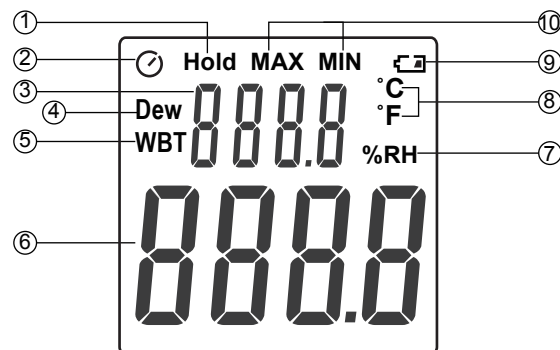
## 5. Descriptions



- ① Temperature and humidity sensor
- ② Color LCD display
- ③ Hold button
- ④ Power ON / OFF button
- ⑤ MAX / MIN button
- ⑥ Mode selection button
- ⑦ Battery compartment

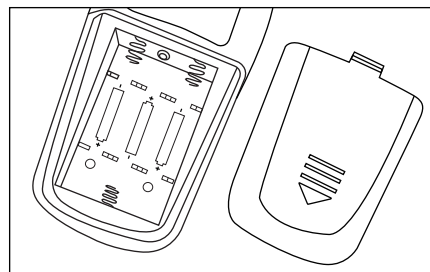
## 6. LCD display explanations

- ① Hold / Freeze reading icon
- ② Auto power off icon
- ③ Temperature readings
- ④ Dew point temperature units icon
- ⑤ Wet bulb temperature units icon
- ⑥ Humidity reading
- ⑦ Humidity unit icon
- ⑧ Temperature unit icon
- ⑨ Low battery indication
- ⑩ MAX/MIN reading



## 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) Backlit & 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" icon will appear on the LCD, which indicates the data is frozen, to release the held reading, press "⏻" again.
- C) 'MAX/MIN' : in measuring mode, press "MAX/MIN", "MAX" will appear on the LCD, the captured maximum reading will be displayed on the LCD, press "MAX/MIN" again, "MIN" will appear on the LCD and the captured minimum reading will be displayed on the LCD. Long press "MAX/MIN", the meter exit MAX/MIN measurement mode and back to normal measuring mode.
- D) 'Mode' button : with the meter on, press "Mode" to select air temperature, dew point temperature and wet bulb temperature in turn.
- E) Use of compound button
  - i) With the meter off, first press and hold "⏻" then press "⏻" to turn on the meter. It can change temperature unit (°C/°F), °C is preset.
  - ii) With the meter off, first press and hold "⏻" then press "⏻" to turn on the meter. "⏻" icon on the LCD display disappear 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.
- B) All products are well calibrated before delivery. Recommended recalibration at 1 year intervals.
- C) Repairs or servicing not covered in this manual should only be performed by qualified personnel.
- D) Wipe the unit with a dry soft cloth periodically. Do not use abrasives or solvents on this instrument.
- E) Remove the battery when the meter is to be stored for long periods of time to avoid battery leakage.
- F) 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.

## Other products from MEET

### Sound Level Meter



MS-911

- High accuracy, fast response
- With 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

### Lux / Light Meter



MS-912

- 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

### Anemometer



MS-915

- 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