Thermo Hygrometer

Model No.: MS-933

Thank you for purchasing MEET Thermo Hygrometer

1. Contents

- Thermo Hygrometer
- Operating manual

2. Introductions

The Humidity & Temperature Meter is designed with a high accuracy temperature & humidity sensor, providing high accuracy, fast response and stable readings. It is widely used for monitoring and collecting data of environment temperature and humidity.
This meter is widely used for measurement of temperature and humidity of room, metro, library, commercial center, communication center room, etc.
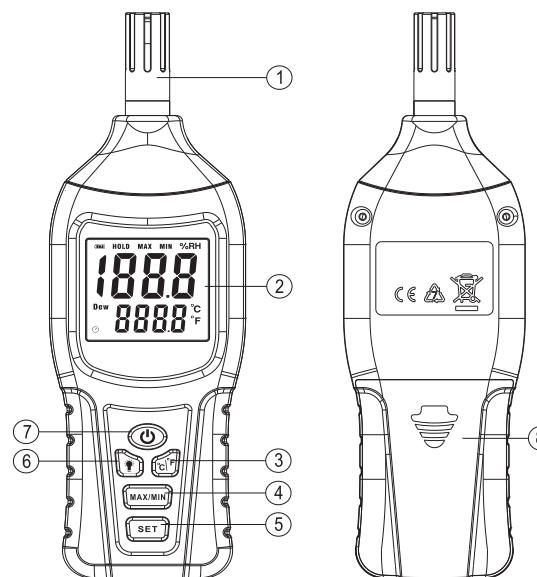
3. Advanced Features

- °C / °F selectable
- MAX. / MIN. reading display
- Hold / Freeze reading
- Dew Point temp. reading
- Auto Power Off
- Self-calibration function

4. Specifications

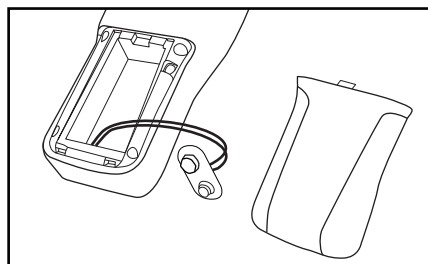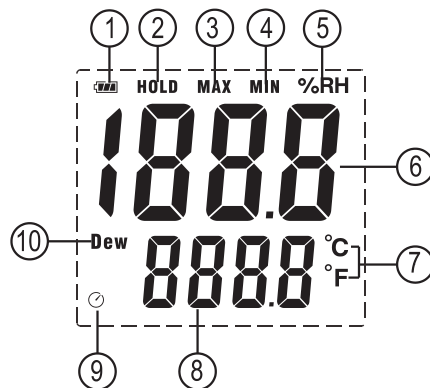| Humidity range	0~100%RH	
Humidity accuracy	0~20%RH, 80%~100%RH	±4.0%
	20% ~40%RH, 60% ~ 80%RH	±3.0%
	40% ~ 60%RH	±2.5%
Temp. range	-20°C~70°C (-4°F~158°F)	
Temp. accuracy	-20°C~70°C (-4°F~158°F)	±1.0°C/ ±1.8°F
Dew Point temp. range	-20°C~70°C (-4°F~158°F)	
Dew Point temp. accuracy	25°C;40%~100%RH	±1.0°C/ ±1.8°F
Display	3 1/2 digits	
Data update	1 times/sec	
Auto power off	Meter automatically shut down after approx.15 minutes inactivity	
Operating conditions	-20°C~70°C, 10%RH~90% RH	
Storage conditions	-20°C~70°C, 10%RH~75% RH	
Powered by / duration	1 x 9V (6F22 / 6LR61 / 1604) / > 30 hours	
Dimension (LxWxH) (approx.) mm	158x62x32	
Weight (approx.):	151g	

5. Description

① Temp. & Humidity sensor
② LCD display
③ °C/°F selection key
④ MAX/MIN selection key
⑤ SET key
⑥ Backlight ON/OFF key
⑦ Power ON/OFF key
⑧ Battery compartment

6. LCD display explanation

① Battery icon
② Data hold icon
③ MAX icon
④ MIN icon
⑤ Humidity unit icon
⑥ Humidity record
⑦ Temperature units icon
⑧ Temperature record
⑨ ⊘Timing power off icon
⑩ Dew point temperature icon

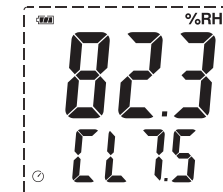## 7. How to replace the battery

When the battery warning iocon '▱' display on the LCD, Push the battery cover out and replace 1 pc fresh 9V 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) Open battery cover and install a 9 volt battery in the battery compartment.
B) Power ON: Turn the meter on by pressing " ⏻ " button for 1 second until the LCD is lighted, then loose the button.
C) Power OFF: Turn the meter off by pressing and holding " ⏻ " button for approx. 3 seconds until the LCD is switched off, then loose the button.
D) When the low battery icon " ▱ " appears, replace the meter's battery.
E) °C/°F selection
   In the measuring mode, press " C/F " button to convert the temperature units °C or °F.
F) " MAX/MIN " button function
   a) Hold: press " MAX/MIN " button once, "HOLD" icon will appear on the LCD, which indicates the data is freezed. To release the held reading, press the button again.
   b) MAX/MIN record
      Press and hold " MAX/MIN " button for three seconds, MAX icon will appear on the LCD, which indicates the current maximum reading, press this button again to enter into MIN mode. Then keep pressing " MAX/MIN " for three seconds to exit MAX/MIN mode.

G) " SET " button function
   a) Auto power off
      Press " SET " button once to power on or off the meter. When " ⊘ " icon displayed on the screen, it indicates that the meter will automatically turn off after approx. 15 minutes of inactivity.
      If there is no " ⊘ " icon displayed on the screen, it indicates the power off function is disabled.
   b) Dew Point Temperature
      Press and keep the " SET " button for three seconds until "DEW" icon appears on the LCD, which indicates the dew point temperature measurement is conducting. Then keep pressing this button for three seconds to exit it.
   c) Humidity Calibration
      In the Power OFF mode, keep pressing " SET " button then power the meter on, after the LCD displays, release all the buttons, the LCD will display as shown in the right:

      Press " ☀ " button to increase the value or " C/F " button decrease the value, to adjust the value same as the standard humidity value. After finished calibration, press " SET " button to exit it and the calibrated value will be kept automatically.

H) " ☀ " button function

   After power on the meter, press " ☀ " the button once, the backlight will be on, press this button again to turn off it. The backlight will be automatically powered off in 30 seconds after turning on the backlight.

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
C) 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. 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.