

ET-951W User Manual

Professional Humidity & Temperature Meter



*Please read this user manual thoroughly before using this unit
and keep it for future reference.*

Contents

1. Safety	1
2. Introduction	2
3. Features.....	2
4. Specifications	3
5. Meter Description	4
6. LCD Display Description	5
7. Operation Instructions	6
8. Notes.....	8
9. Accessories	8

1. Safety

Read the following safety information carefully before attempting to operate the meter.

Use the meter only as specified in this manual; otherwise, the protection provided by the meter may be impaired.

◆ **Environment conditions:**

RH≤90% (Non-Condensation)


Operating Temperature: -30°C ~ 60°C

◆ **Maintenance**

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

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

◆ **Safety Symbol**

 Comply with EMC

2. Introduction

This Humidity & Temperature Meter is supplied with a high accuracy temperature & humidity sensor, providing high accuracy, fast response and stable readings. It is used for monitoring and collecting data of environmental temperature and humidity.

3. Features

- ◆ Temperature units: °C/°F
- ◆ MAX record
- ◆ MIN record
- ◆ Data hold
- ◆ Dew Point Temperature
- ◆ Wet Bulb Temperature
- ◆ Backlight
- ◆ Resolution 0.1%RH, 0.1°C

4. Specifications

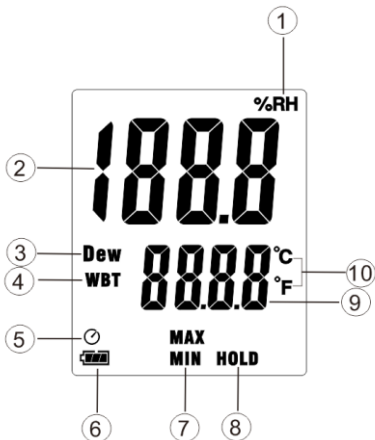
	Measuring range	Accuracy
Humidity	0 ~ 100% RH	40% ~ 60% RH: $\pm 2.0\%$
		20% ~ 40% RH; 60% ~ 80% RH: $\pm 3.0\%$
		0 ~ 20% RH; 80% ~ 100% RH: $\pm 4.0\%$
Temp.	-35°C ~ 100°C -31°F ~ 212°F	-35°C ~ -10°C, 70°C ~ 100°C: $\pm 1.0^\circ\text{C}$
		-10°C ~ 70°C: $\pm 0.5^\circ\text{C}$
		-31°F ~ +14°F, 158°F ~ 212°F: $\pm 1.8^\circ\text{F}$
		14°F ~ 158°F: $\pm 0.9^\circ\text{F}$
Dew Point Temp.	-35°C ~ 100°C -31°F ~ 212°F	25°C, 40% ~ 100% RH: $\pm 1.0^\circ\text{C}$ ($\pm 1.8^\circ\text{F}$)
Wet bulb Temp.	0°C ~ 80°C 32°F ~ 176°F	25°C, 40% ~ 100% RH; $\pm 1.0^\circ\text{C}$ ($\pm 1.8^\circ\text{F}$)
Sampling rate	2 times per second	
Resolution	0.1% RH, 0.1°C	
Working Temp.	-30°C to 60°C	
Power Resource	9V battery	
Dimension (L*W*H)	185*66*33(mm)	
Weight	237g	

5. Meter Description

1. Probe connector
2. LCD Display
3. Backlight ON/OFF key
4. °C /°F temperature units key
5. MAX/UP key
6. UNITS
7. MIN/DOWN key
8. Power ON/OFF key
9. Data hold key
10. SET key
11. Temperature & Humidity sensor
12. Tripod nut
13. Battery compartment




6. LCD Display Description





1. Humidity unit icon
2. Humidity reading
3. Dew point temperature units icon
4. Wet bulb temperature units icon
5. Auto power off icon
6. Battery icon
7. MAX/MIN icon
8. Data hold icon
9. Temperature reading
10. Temperature unit icon


7. Operation Instructions


(1) Open battery cover and install a 9-volt battery in the battery compartment.


(2) **Power ON:** Turn the meter on by pressing 


(3) **Power OFF:** Turn the meter off by pressing and holding  for approx. 3 seconds


(4) **MAX record:** press  and MAX icon will appear on the LCD, which indicates the current maximum reading, press this button again to exit MAX record display.


(5) **MIN record:** press  and MIN icon will appear on the LCD, which indicates the current minimum reading, press this button again to exit MIN record display.


(6) In the measuring mode, press  button to select temperature units °C/°F.


(7)  Auto power off icon. The meter will automatically turn off after approx. 15 minutes of no activity.


(8) **UNITS:** Press  and **WBT** icon will appear on the LCD, the meter enters into wet bulb temperature measuring mode.


Press  again, **Dew** icon will appear on the LCD, the meter enters into dew point temperature mode. Press

 for the third time, meter goes back to normal temperature measuring.


(9) **Hold:** press  and HOLD icon will appear on the LCD.

To release hold press  again.

(10) **Backlight ON/OFF:** Turn the meter on and press 

once, the backlight will be on, press  again to turn off it.

8. Notes

- (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. Do not use abrasives or solvents on this instrument.
- (3) Remove the battery when the meter is to be stored for long periods of time to avoid battery leakage.
- (4) Replace new batteries when the low battery icon  appears.

9. Accessories

- ① User's manual
- ② 9V battery

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