

TC-100A Manual

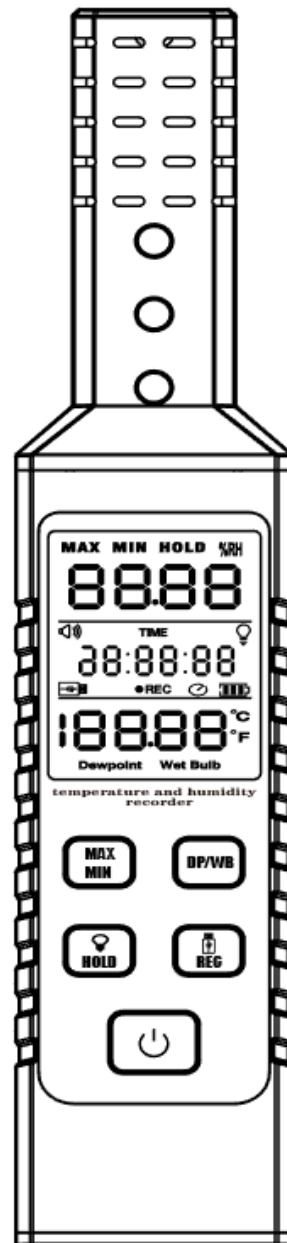
1. Product introduction

This product is mainly used to measure temperature and humidity. It adopts imported high-precision digital sensors and has LED indicators in three colors of red, green, and blue, which visually indicate the current working status; at the same time, this product can record up to 16,000 data.

Connected to the host computer and paired with the corresponding software, users can freely set the number of records, time intervals, alarm values, etc.; at the same time, the software can generate charts for the recorded data, which is convenient for users to analyze data, and can also export data in "Excel" file format.

2. Product description

- 1) The main body of the case
- 2) Green LED indicator
- 3) Blue LED indicator
- 4) Red LED indicator
- 5) LCD display area
- 6) MAX/MIN value, buzzer alarm button
- 7) HOLD/backlight switch button
- 8) C/F temperature unit conversion button
- 9) REC button
- 10) Switch button
- 11) USB connection port



3. Display area description

- | | |
|-----------------------------|--|
| 1) MAX maximum value | 7) Backlight switch icon |
| 2) The minimum value of MIN | 8) USB connection icon |
| 3) HOLD data retention | 9) REC record icon |
| 4) Humidity value and unit | 10) Power and charging indicator icons |
| 5) Buzzer alarm switch icon | 11) Temperature display area |
| 6) Time display | |

4. Key function description

- 1) ON/OFF
Switch on/off the device
- 2) HOLD:
 - A. Tap to hold the current data
 - B. Long press the backlight to turn on and off
- 3) REC
Turn on the data recording function (manual mode)
- 4) MAX/MIN:
 - A. Press to enter the maximum and minimum mode, you can view the maximum or minimum value recorded after the product is turned on
 - B. Long press to turn on or off the sound alarm function
- 5) °C/°F:
 - A. Long press: switch the temperature unit between Celsius and Fahrenheit
 - B. Press lightly: switch between Wet Bulb and Dewpoint

5. Product instructions

- 1) Press the power button "ON/OFF" and the product can work, displaying the temperature and humidity measured in the current environment.
- 2) Record settings: Use the USB cable of the micro interface to connect to the computer installed with the supporting software and set the relevant parameters on the software.

6. Product technical parameters

- 1) Temperature measurement range: $-30^{\circ}\text{C}\sim+80^{\circ}\text{C}$ ($-22^{\circ}\text{F}\sim+176^{\circ}\text{F}$);
- 2) Humidity measurement range: 0%RH~100%RH
- 3) Measuring range of wet bulb temperature: $0^{\circ}\text{C}\sim+80^{\circ}\text{C}$ ($32^{\circ}\text{F}\sim176^{\circ}\text{F}$);
- 4) Dew point temperature measurement range: $-30^{\circ}\text{C}\sim+80^{\circ}\text{C}$ ($-22^{\circ}\text{F}\sim+176^{\circ}\text{F}$);
- 5) Temperature accuracy: 1°C (2°F)
- 6) Humidity accuracy: 3%RH
- 7) Temperature resolution: 0.01°C
- 8) Humidity resolution: 0.01%RH
- 9) Working temperature: $-10^{\circ}\text{C}\sim+60^{\circ}\text{C}$ ($14^{\circ}\text{F}\sim+140^{\circ}\text{F}$)
- 10) Storage temperature: $-20^{\circ}\text{C}\sim+60^{\circ}\text{C}$ ($-4^{\circ}\text{F}\sim+140^{\circ}\text{F}$)
- 11) The maximum number of records: 16000

7. Product features

- 1) Power supply: 3.7V built-in rechargeable lithium battery/USB5V
- 2) Working hours: >7 days (without backlight)
- 3) Buzzer alarm
- 4) LED red temperature alarm
- 5) LED blue humidity alarm
- 6) Great and easy data recording, the software can graph and export tables for easy analysis

8. Software installation

Open the CD that comes with the product, select the language version to be installed, and click the "exe" file to install.

9. Software use

For details, please open the installed software, click "Help" in the menu bar, and select "Operation Instructions" in the drop-down menu.