

2-in-1 Meter

Please read the following notice carefully before using, install and operate the meter correctly.

1 Precautions



WARNING

1. Please use the product accordance with the user manual strictly.
2. Please do not dismantle the product by yourself.
3. Due to the waterproof design of the product, it can be used in the rain, but can not be put into in deep water.
4. When the product is in the intense vibration or strong impact. It will cause a failure.
5. Please pay attention to the panel with fog, condensation and water, if the back of the battery cover is installed incorrectly.
6. Error will be happened when measuring, please notice that the error is not the same when compared to the same model products.
7. Professionals are required to install this gauge or common person will get hurt by electric shock easily.



DO NOT DISASSEMBLE

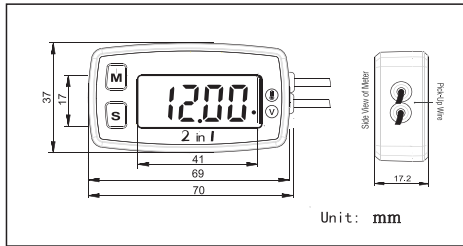


WATERPROOF

2 Accessory list

- 1*product
- 1*user manual
- 2*zip ties
- 1*screw
- 1*TS002P-S

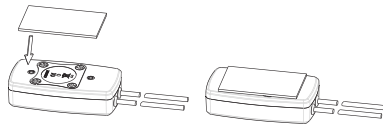
3 Product dimensions



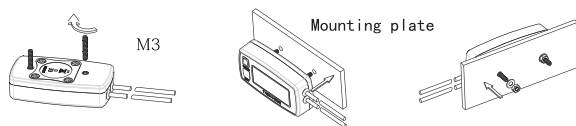
4 Product installation

Note: There are three installation ways, you can choose the one you needed.

1 Installation by double-sided adhesive tape

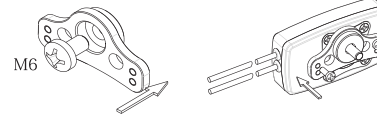


2 Installation by screws



Notice: The mounting plate should have mounting holes. If don't have it, please drill corresponding holes in the mounting plate.

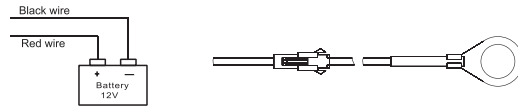
3 Aluminum frame mounting bracket



Remarks: Aluminum frame mounting bracket is optional and excluded in the package. Purchase it separately if needed.

5 Accessory installation

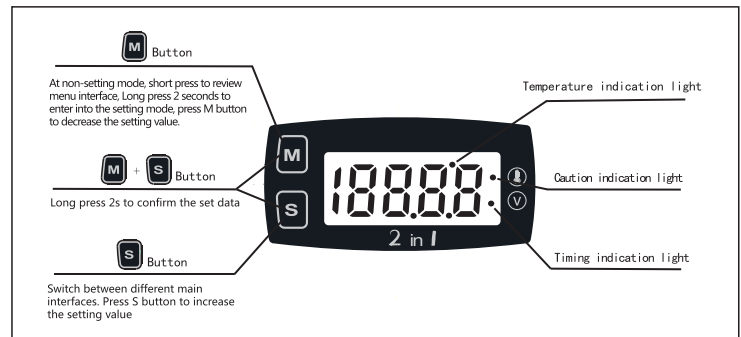
1. After the temperature sensor is connected to the meter, please connect the sensor probe to the equipment to be tested.
2. Please connect the power source to the meter as below.



2. Check if the product installation is correct

Temperature reading displays on temperature interface, voltage reading displays on voltage interface. It means the product installation is correct.

6 Area definition

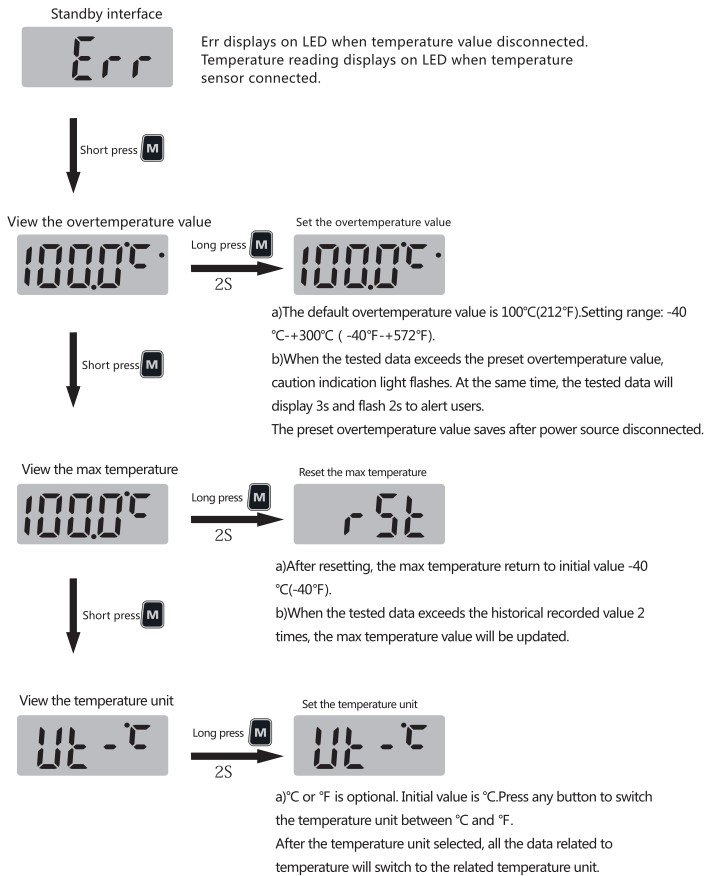


7 Instructions on buttons

Button name	Short press	Long press
Menu button M	Review sub-menu interface and press it to decrease the setting value.	Enter into setting and press it to decrease the setting value fast.
Set button S	Switch or return to main interfaces. Press S button to increase the setting value	Press it to increase the setting value fast when setting.

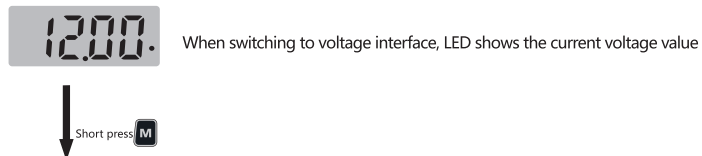
At setting state, long press M and S 2s to save and exit the setting.

1 Temperature operation interface

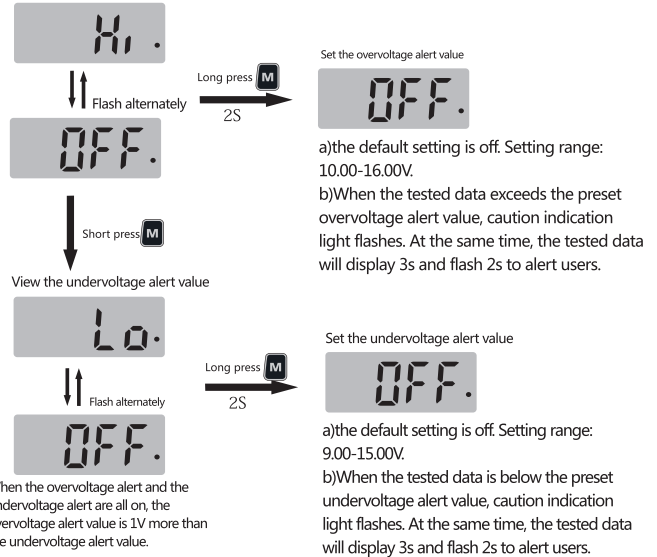


2 Voltage operation interface

Voltage operation interface—display the current voltage in real time



View the overvoltage alert value



9 Specifications List

Item name	2-in-1 Meter
Housing material	ABS
Waterproof rate	IP67
Display mode	LED
Display window size(viewable)	41×17mm
Weight	111g
External dimensions	69×37×18mm
Temperature range	-40°C to +300°C (-40°F to +572°F)
Temperature accuracy	±1°C
Temperature refresh rate	1S
Voltage accuracy	±0.01V
Volatge error	±0.5%
Working voltage	DC 12V

10 Troubleshooting

Problems	Possible causes	Solutions
No display on LCD screen after connected to power source	1. Power source voltage is not enough. 2. power source wires are broken. 3. Polarity connection of power source is wrong	1. Replace new power source 2. Repair or replace power wire 3. Reconnect power source
No change on LCD display	System halted due to interference	Reconnect power source
ERR displays on LCD screen	1. sensor is not installed correctly. 2. sensor is broken	1. Reinstall the sensor 2. Replace the sensor