

# Wireless temperature and humidity meters

**WT0124**

**Metoluar**

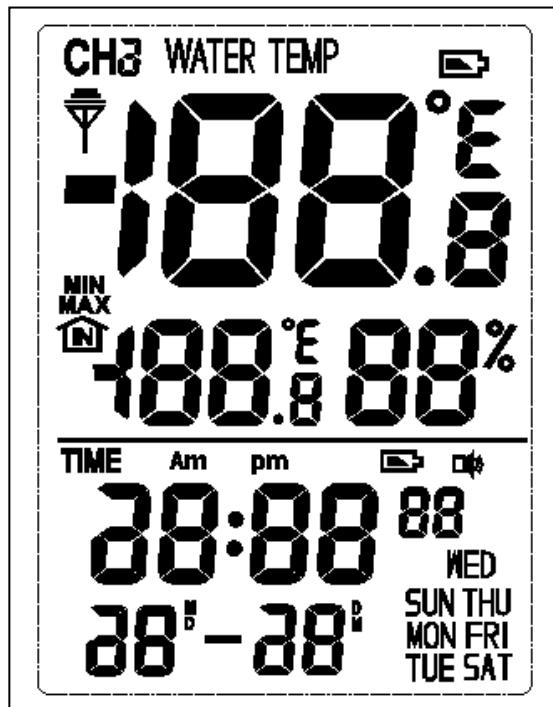


**WT0224**



# Receiver

## ● Full Display



## ● Specifications:

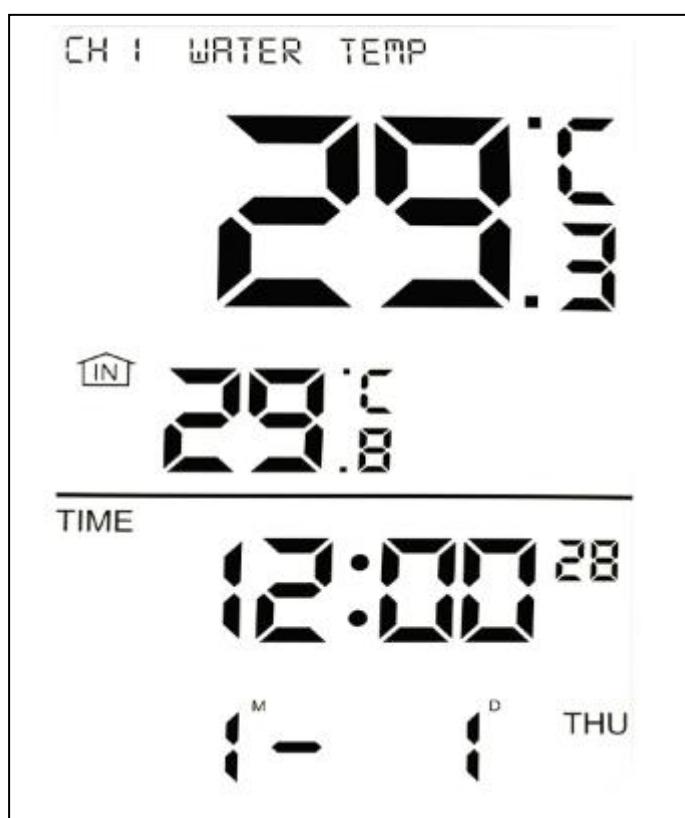
- 1、Calendar from Jan. 1st, 2000 to Dec.31st ,2099
- 2、Alarm with snooze;
- 3、Water temperature range:-40°C to +60°C;
- 4、Indoor temperature range:0°C to +50°C;
- 5、433MHZ wireless receives 3 channel's water temperature;
- 6、CH1/CH2/CH3 there are three receiving and transmitting channels, which can be freely matched by users. Three transmitters are equipped with a receiver, which can measure data in three different areas. These three channels are three different data input collection channels, that is, to collect different data information, such as

temperature, humidity, etc., there is only one RF signal, when one channel is working, the other two are not working.

7. Max/min record of indoor and water temperature.
8. WT0124/0224 No humidity function, WT0226/WT0228 has humidity function, for users to choose.

### **Connecting an indoor and outdoor machine:**

Install the outdoor unit battery first and then the indoor unit battery. The product starts to search for outdoor sensor signals. During the search,  the signal icon will blink all the time to ensure that it is effective in an open area with no shielding and no interference source at an effective distance of 100 meters. Do not perform any operation on the unit during the search.



## **Keys:**

### **1. [MAX/MIN]:**

In normal clock mode, press [MAX/MIN] to toggle the display of maximum , minimum and current data of indoor temperature and water temperature.

### **2. [CLEAR] :**

[CLEAR]: When maximum and minimum values are displayed, press the [CLEAR] button to CLEAR the maximum and minimum values of indoor temperature and water temperature, and immediately update the maximum and minimum values with the current values of indoor temperature and water temperature.

### **3. [CH] :**

In normal clock mode, press [CH] to toggle water temperature of channel 1/2/3.

### **4. [C-F] : Press [C-F] to toggle temperature unit between [°C/°F]**

When setting the time format mode, press [C/F] to switch to 12/24 hour format.

In alarm mode, press the [ $^{\circ}\text{C}/^{\circ}\text{F}$ ] key to enable/disable the alarm function.

In date format mode, press the [ $^{\circ}\text{C}/^{\circ}\text{F}$ ] key to switch between MM-DD and DD-MM.

5. **[MODE]** : Press [MODE] to toggle modes
6. **[SET]** : Press [SET] to get into setting mode. ( Such as year, month, date, hour, minute, second etc.)

### ● Operation statement

Press [MODE] to toggle between clock mode and alarm mode.

### ● Clock Mode

In normal clock mode, LCD displays indoor temperature, water temperature, month, date, week, hour, minute, second, and reception channel. As shown below:

1. Press [SET] to enter time format setting mode, press [ $^{\circ}\text{C}/^{\circ}\text{F}$ ] or [MAX/MIN] to toggle between 12/24 hour format.
2. Press [SET] to enter hour setting mode. While the number of hour is flashing, press [ $^{\circ}\text{C}/^{\circ}\text{F}$ ] or [MAX/MIN] to adjust it. And press [ $^{\circ}\text{C}/^{\circ}\text{F}$ ] or [MAX/MIN] for more than 2 seconds to adjust in 8HZ.

- 3、Press [SET] to switch to minute setting mode. While the number of minute is flashing, press [°C/°F] or[MAX/MIN] to adjust it. And press [°C/°F] or[MAX/MIN] for more than 2 seconds to adjust in 8HZ.
- 4、Press [SET] to switch to second setting mode. While the number of second is flashing, press [°C/°F] or[MAX/MIN]to clear it.
- 5、Press [SET] to confirm and quit clock setting mode, then back to normal clock mode.
- 6、In normal clock mode, press [MAX/MIN] to toggle the maximum, minimum and current data of indoor temperature and water temperature. When displaying maximum/minimum data of indoor and water temperature, press [CLEAR] to clear the data.
- 7、Press [CH] to toggle channel 1,channel 2 and channel 3.
- 8、Press [C-F] to toggle temperature unit between °C and °F.
- 9、If no button is pressed in 1 minute in clock setting mode, it will be back to clock mode automatically.
- 10、Press [MODE] to enter alarm mode.

- **Alarm Mode**

In normal clock mode, press [MODE] to enter alarm mode.

LCD displays indoor temperature, water temperature, month, date, week, hour, minute, and reception channel. As shown below:

1. Press [SET] to enter hour setting mode. While the number of hour is flashing, press [ $^{\circ}\text{C}/^{\circ}\text{F}$ ] or [MAX/MIN] to adjust it. And press [ $^{\circ}\text{C}/^{\circ}\text{F}$ ] or [MAX/MIN] for more than 2seconds to adjust in 8HZ
2. Press [SET] to enter hour setting mode. While the number of hour is flashing, press [ $^{\circ}\text{C}/^{\circ}\text{F}$ ] or [MAX/MIN] to adjust it. And press [ $^{\circ}\text{C}/^{\circ}\text{F}$ ] or [MAX/MIN] for more than 2seconds to adjust in 8HZ
3. Press [SET] to enter minute setting mode. While the number of minute is flashing, press [ $^{\circ}\text{C}/^{\circ}\text{F}$ ] or [MAX/MIN] to adjust it. And press [ $^{\circ}\text{C}/^{\circ}\text{F}$ ] or [MAX/MIN] for more than 2 seconds to adjust in 8HZ
4. Press [SET] to confirm and quit.
5. In alarm non-setting mode, press [ $^{\circ}\text{C}/^{\circ}\text{F}$ ] or [MAX/MIN] to open/close alarm..
6. If no button is pressed in 1 minute in alarm setting mode, it will be back to clock mode automatically.

7、Press[MODE] to enter date mode.

- **Date Mode**

In normal clock mode, press [MODE] 2 times to enter date mode. LCD displays indoor temperature, water temperature, month, date, week. As shown below:

1、Press [SET] to enter year setting mode. While the

number of year is flashing, press [ $^{\circ}\text{C}/^{\circ}\text{F}$ ] or [MAX/MIN] to adjust it. And press [ $^{\circ}\text{C}/^{\circ}\text{F}$ ] or [MAX/MIN] for more than 2 seconds to adjust in 8HZ.

2、Press [SET] to enter date format setting mode, press [ $^{\circ}\text{C}$  / $^{\circ}\text{F}$ ] or [MAX/MIN] to select between YY-MM-DD and YY-DD-MM format.

3、Press [SET] to switch to month setting mode. While the number of month is flashing, press [ $^{\circ}\text{C}/^{\circ}\text{F}$ ] or [MAX/MIN] to adjust it. And press [ $^{\circ}\text{C}/^{\circ}\text{F}$ ] or [MAX/MIN] for more than 2 seconds to adjust in 8HZ.

4、Press [SET] to switch to date setting mode. While the number of date is flashing, press [ $^{\circ}\text{C}/^{\circ}\text{F}$ ] or [MAX/MIN] to adjust it. And press [ $^{\circ}\text{C}/^{\circ}\text{F}$ ] or [MAX/MIN] for more than 2 seconds to adjust in 8HZ.

- 5、Press [SET] to confirm and quit.
- 6、If no button is pressed in 1 minute in date setting mode, it will be back to clock mode automatically.
- 7、In date mode, press [CHANNEL] to enter the RF test condition, and it will quit this mode automatically 30 seconds later

- **Alarm with Snooze**

- 1、When alarm is open, and it reaches the alarm time, it will buzz "BI" for one minute with the alarm icon flashing.
- 2、While alarming, press [CHANNEL] or no key pressed to stop alarming. At this time, "BELL" icon flashing, it will enter snooze. Five minutes later, it will alarm. After the 3rd alarming, it will no longer enter snooze.
- 3、While alarming, press any key to stop alarming, but not enter Snooze ;
- 4、While snoozing, quit snoozing if enter setting mode.
- 5、In any mode, when reaches alarming time, press any key to close the alarm.

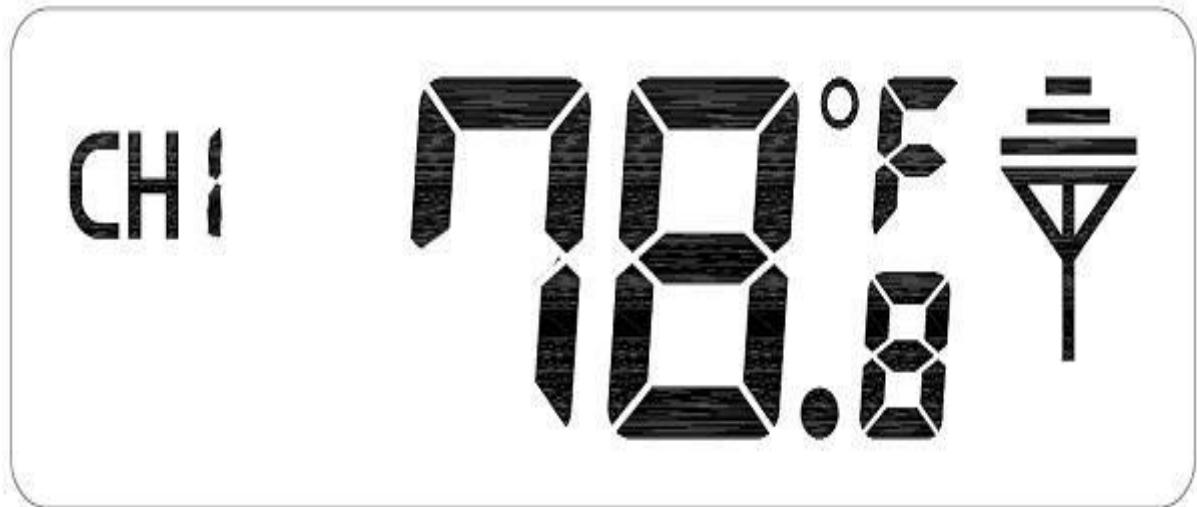
- **Power Consumption :**

- 1、Alkaline battery : 2×AAA 1.5V
- 2、Battery life : about 12 months

- **Dimension ( HxWxD )**

119mmx74mmx21mm.

# Transmitter



## ● Feature

1. 0°C to +60°C water temperature monitoring
2. Temperature unit: °F/°C
3. Frequency: RF 433MHz, Working Distance: 100m in open space
4. Channel for option: CH1, CH2 & CH3
5. Solar panel charges batteries if rechargeable batteries are used (This function only applies to WT0124, WT0122 has not this function)

- **Operation:**

Temperature monitor and data transmitter

1. Interval of data transmitting: 30seconds
2. Where data is transmitting, there is signal icon on the LCD and meanwhile the LED light flashes.

- **Switches description**

Taking the following chart to set channel, temperature unit and turn on solar charging  
and use rechargeable batteries if you turn on solar charging  
function, Otherwise, pls keep solar switch in off position).

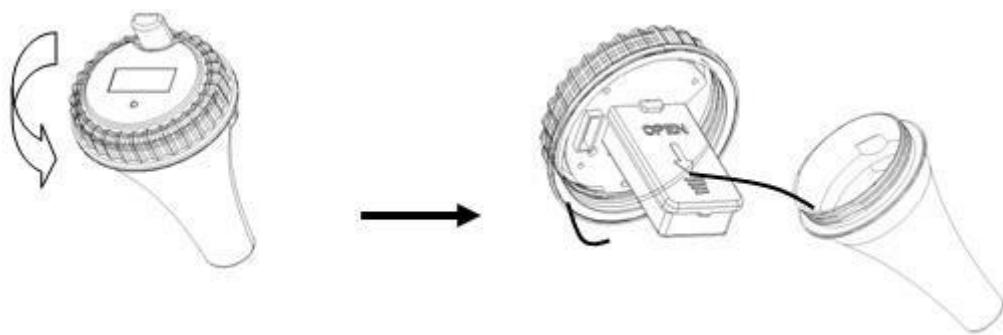
Channel Switch		°C/°F Switch	Solar Switch
1 ↓	2 ↓	3	4
<b>CH1 ON</b>			
1 ↑	2 ↓	↓ :°F	↓ : <b>Solar off</b>
<b>CH2 ON</b>			
1 ↓	2 ↑	↑ °C	↑ : <b>Solar on</b>
<b>CH3 ON</b>			

- **Power supply**

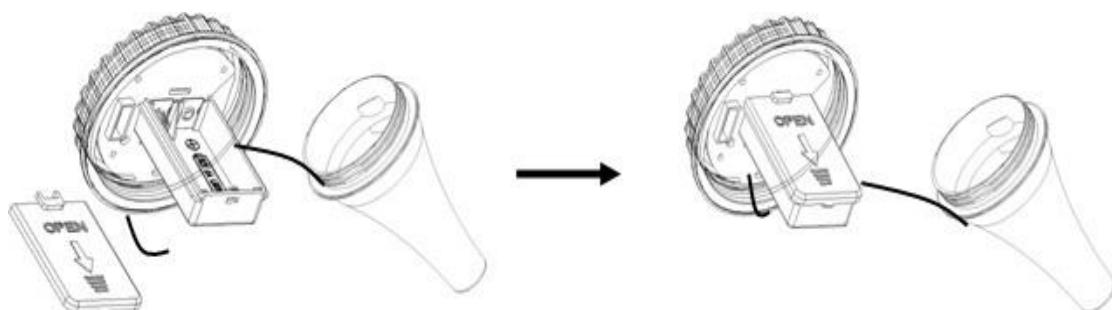
1. Alkaline battery or rechargeable battery: 2×AA 1.5V
2. Battery life span: alkaline battery 12 months Rechargeable  
battery 2 year.

- **Battery Installation Instruction**

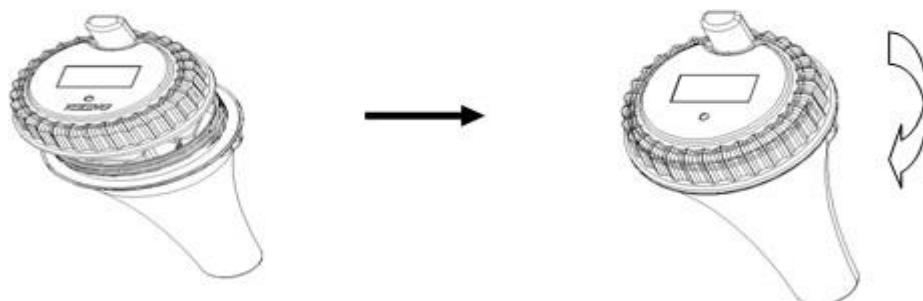
1. Twist off the cover of the transmitter, then take out the battery compartment:



2. Open the cover of battery compartment, install batteries, then close the battery cover:



3. Install the waterproof loop, then close and tighten the cover of the transmitter.



4. If the battery is dead, or when you need to open the lid, please pay attention to first clean the external water; avoid water inside the product.

### **Matters needing attention:**

1. The battery life is related to the working state. Please ensure that the battery voltage is normal. If the indoor or outdoor unit battery symbol is blinking, replace the battery immediately.
2. When the product is powered on, the data collected by the sensor will be stable and accurate only after about 30 minutes.
3. Before putting the outdoor unit into water, ensure that the waterproof ring is installed properly and the cover is tightened.
4. Outdoor unit solar power supply, please ensure that the DIP switch 4 is effective.

Tkm210901

This equipment has been tested and found to comply with the limits for a B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

#### RF Exposure Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.