

## Metoluar WT0224

# Metoluar Wireless Pool Thermometer User Manual

Model: WT0224

## INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Metoluar Wireless Pool Thermometer (Model WT0224). This device is designed to accurately measure water temperature in various aquatic environments and transmit it wirelessly to an indoor receiver, allowing for convenient monitoring.

The upgraded design features improved mold sealing and a threaded battery cover for enhanced water resistance. Ensure the battery cover is tightened securely before use. After removing the floating unit from water, it is recommended to clean any residual water from the unit.

## PRODUCT OVERVIEW

The Metoluar Wireless Pool Thermometer system consists of two main components: a floating outdoor transmitter and an indoor receiver unit.

- Floating Transmitter:** Measures water temperature and transmits data wirelessly. It is solar-powered with a battery power option.
- Indoor Receiver:** Displays water temperature from the transmitter, indoor temperature and humidity, time, and date. Features a large HD screen for clear data viewing.

## Key Features:

- Wireless synchronization of pool temperature with indoor receiver.
- Enhanced UV resistance for durability.
- Transmission range up to 300 feet (approximately 91 meters) without significant signal interference.
- Indoor receiver displays indoor temperature, humidity, and outdoor floating thermometer temperature simultaneously.
- Ability to check battery life, maximum/minimum temperature values, and switch between Celsius (°C) and Fahrenheit (°F).
- Wide temperature range: -40°F to 140°F (-40°C to 60°C).
- Supports 3-channel switching to monitor up to three different pool temperatures (additional transmitters sold separately).
- Suitable for various applications including swimming pools, hot tubs, fish ponds, spas, and aquariums.



Image: The Metoluar Wireless Pool Thermometer floating unit (left) and its indoor receiver (right).

# Wireless thermohygrometer

Know the warmth and cold



Image: Illustration of the wireless thermometer floating in a pool, with the receiver unit placed indoors, demonstrating the remote monitoring capability.

# 300 Feet Transmission Distance



Image: Visual representation highlighting the 300 feet transmission distance between the floating thermometer and the indoor receiver, suitable for large properties.

## SETUP

### 1. Battery Installation (Indoor Receiver)

1. Locate the battery compartment on the back of the indoor receiver unit.
2. Open the battery compartment cover.
3. Insert **two (2) AAA batteries**, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

*Note: Batteries are not included with the product.*

## 2. Floating Transmitter Preparation

1. The floating transmitter is primarily solar-powered. Ensure the solar panel on top is clean and exposed to light.
2. If a backup battery is required or for initial activation, locate the threaded battery cover on the bottom of the floating unit.
3. Unscrew the cover. Insert the required battery (if applicable, check product packaging for specific battery type for the floating unit, though the main product description implies solar power with a battery option).
4. **Crucially, tighten the threaded battery cover as much as possible to ensure a watertight seal.** This prevents water ingress and damage to the internal components.

## 3. Placement and Synchronization

- Place the indoor receiver in a central location within your home, ideally within 300 feet of the pool or water body where the floating transmitter will be located. Avoid placing it near large metal objects or other electronic devices that may cause interference.
- Place the floating transmitter directly into the water. The units should automatically synchronize within a few minutes. If no reading appears, ensure both units have power and are within range.
- For optimal signal, ensure there are no major obstructions (e.g., thick walls, large trees) directly between the transmitter and receiver, although the device is designed to handle some interference.

## OPERATING INSTRUCTIONS

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Image: Detailed view of the indoor receiver's display, showing outdoor temperature, indoor temperature, time, date, and button functions.

### Display Information:

- **Outdoor Temperature (Water Temp):** Displays the temperature measured by the floating transmitter.
- **Indoor Temperature:** Displays the ambient temperature at the receiver's location.
- **Indoor Humidity:** Displays the humidity at the receiver's location.
- **Time & Date:** Current time and date.
- **Channel Indicator (CH):** Shows the current channel being displayed (1, 2, or 3).
- **Battery Life Indicator:** Shows the battery status of both units.

## Button Functions:

- **MODE:** Press to cycle through display modes or enter settings.
- **SET:** Used to confirm settings or adjust values in setting mode.
- **C-F (°C/°F Selection):** Press to switch the temperature display between Celsius and Fahrenheit.
- **CH (Channel Switch):** Press to switch between the 3 available channels. This is useful if you have multiple floating thermometers.
- **CLEAR (CH CLEAR):** Press and hold to clear data for the selected channel.
- **MAX-MIN:** Press to view the maximum and minimum recorded temperatures for both indoor and outdoor readings. Press again to return to current readings.

## Setting Time and Date:

Refer to the specific instructions provided in the physical manual for detailed steps on setting the time and date, as button sequences can vary. Generally, this involves pressing the MODE button until the time/date flashes, then using SET or other navigation buttons to adjust values.

## MAINTENANCE

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- **Cleaning:** Both the floating transmitter and the indoor receiver can be cleaned with a soft, damp cloth. Do not use abrasive cleaners or solvents. For the floating unit, ensure to wipe clean any water after removing it from the pool to prevent mineral buildup or residue.
- **Battery Replacement (Indoor Receiver):** When the battery indicator on the indoor receiver shows low power, replace the two AAA batteries promptly to ensure continuous operation.
- **Floating Unit Sealing:** Periodically inspect the threaded battery cover on the floating unit to ensure it remains tightly sealed. If the unit is frequently removed from water, re-tighten the cover to maintain its watertight integrity.
- **Solar Panel Care:** Keep the solar panel on the floating unit clean and free of debris to ensure efficient charging.
- **Storage:** If storing the thermometer for an extended period, remove batteries from the indoor receiver. Store both units in a cool, dry place away from direct sunlight.

## TROUBLESHOOTING

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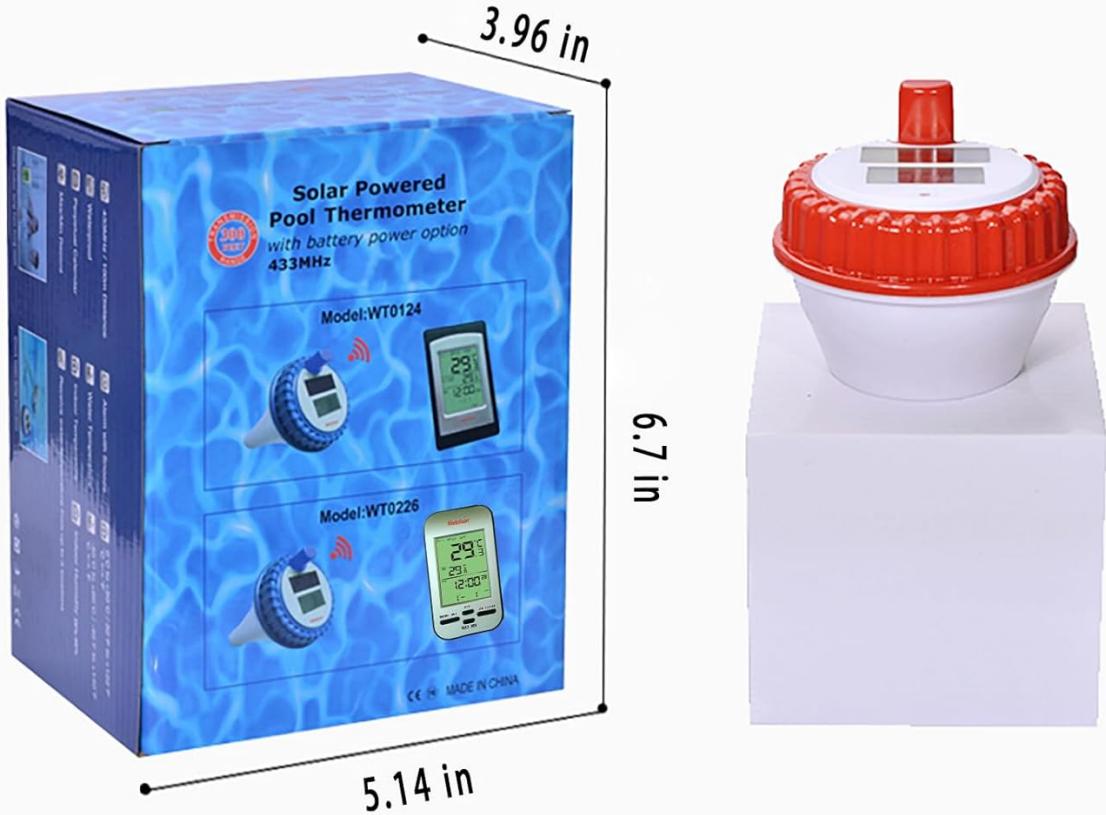
Problem	Possible Cause	Solution
No temperature reading on receiver.	<ul style="list-style-type: none"><li>• Low or dead batteries in receiver.</li><li>• Floating unit not powered or out of range.</li><li>• Poor signal due to obstructions.</li><li>• Floating unit not properly sealed, water ingress.</li></ul>	<ul style="list-style-type: none"><li>• Replace AAA batteries in the indoor receiver.</li><li>• Ensure floating unit's solar panel is exposed to light or check its internal battery (if applicable).</li><li>• Move receiver closer to the floating unit or clear obstructions.</li><li>• Remove floating unit from water, dry thoroughly, and ensure battery cover is tightly sealed. Allow to dry completely before re-submerging.</li></ul>

Problem	Possible Cause	Solution
Inaccurate temperature readings.	<ul style="list-style-type: none"> <li>• Sensor dirty or obstructed.</li> <li>• Unit not fully submerged (floating unit).</li> <li>• Interference from other devices.</li> </ul>	<ul style="list-style-type: none"> <li>• Clean the temperature sensor on the floating unit.</li> <li>• Ensure the floating unit is properly positioned in the water.</li> <li>• Relocate the receiver away from other electronics.</li> </ul>
Short battery life (floating unit).	<ul style="list-style-type: none"> <li>• Insufficient sunlight for solar charging.</li> <li>• Internal battery (if present) nearing end of life.</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure the solar panel is clean and receives adequate direct sunlight.</li> <li>• If the unit has a replaceable internal battery, consider replacing it.</li> </ul>
Display flickering or erratic.	<ul style="list-style-type: none"> <li>• Low batteries in receiver.</li> <li>• Temporary signal disruption.</li> </ul>	<ul style="list-style-type: none"> <li>• Replace AAA batteries.</li> <li>• Wait a moment; if it persists, try re-pairing by removing and reinserting batteries in both units.</li> </ul>

## SPECIFICATIONS

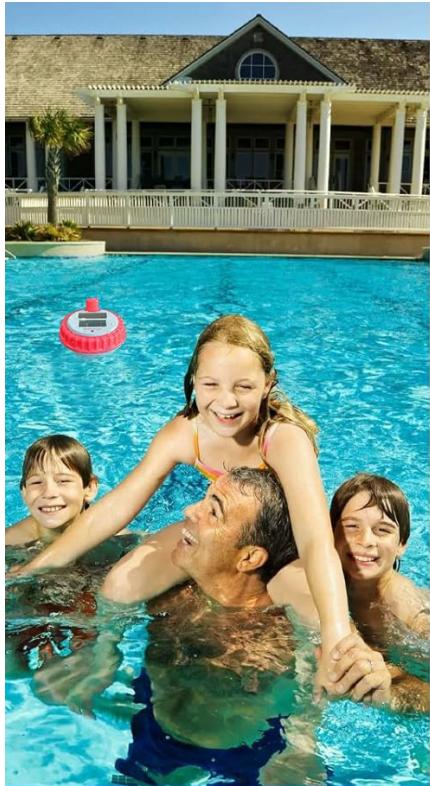
Feature	Detail
Model Number	WT0224
Brand	Metoluar
Temperature Range (Outdoor)	-40°F to 140°F (-40°C to 60°C)
Transmission Range	Up to 300 feet (approx. 91 meters)
Indoor Receiver Batteries	2 x AAA batteries (not included)
Floating Unit Power Source	Solar powered (with battery option)
Display Type	Digital LCD
Connectivity Technology	Bluetooth
Material	Plastic
Package Dimensions	6.69 x 5.31 x 4.09 inches
Item Weight	13.44 ounces

# Package Contents



Color box size: 5.14in\*3.96in\*6.7in

Image: The product packaging box, illustrating its dimensions and contents.



**Family pool**



**Hot tub**



**Hot spring**



**Baby Bath**



**Spa**



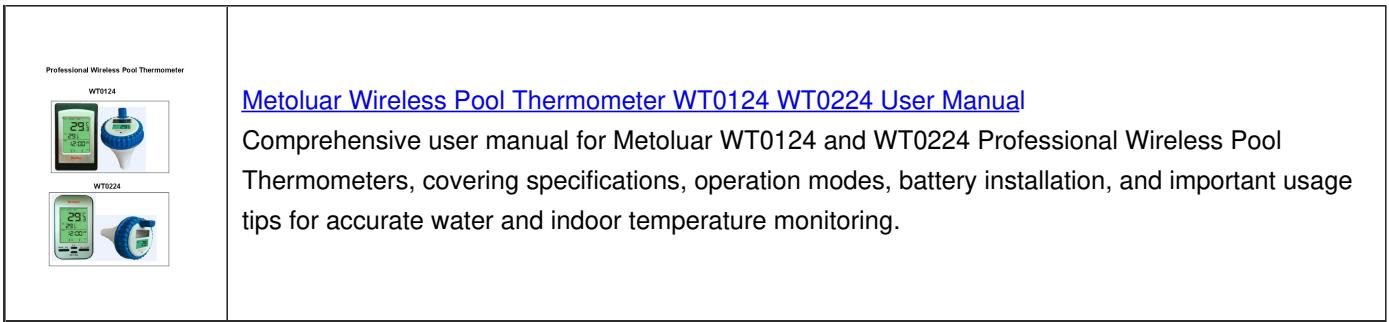
**Aquarium**

Image: Collage showing the thermometer in various settings, including family pools, hot tubs, hot springs, baby baths, spas, and aquariums, highlighting its versatility.

## WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your Metoluar Wireless Pool Thermometer, please contact Metoluar customer service. Refer to the product packaging or the official Metoluar website for the most current contact details.

It is recommended to retain your purchase receipt as proof of purchase for warranty claims.



Documents - Metoluar – WT0224



