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## AMTAST WT0124

# AMTAST WT0124 Wireless Pool Thermometer Instruction Manual

Model: WT0124

## INTRODUCTION

This manual provides detailed instructions for the proper setup, operation, and maintenance of your AMTAST WT0124 Wireless Pool Thermometer. Please read this guide thoroughly before using the device to ensure optimal performance and longevity.

The AMTAST WT0124 is designed to monitor water temperatures in various environments such as swimming pools, heated pools, wood-fired tubs, spas, aquariums, and ponds. It features a floating sensor and an indoor receiver for convenient temperature monitoring.

## SAFETY INFORMATION

- Keep the device away from extreme temperatures and direct sunlight for prolonged periods to prevent damage.
- Do not immerse the receiver unit in water. The floating sensor is waterproof, but the receiver is not.
- Use only the specified battery types and ensure correct polarity during installation.
- Dispose of old batteries responsibly according to local regulations.
- Do not attempt to disassemble or repair the device yourself. Contact customer support for assistance.

## PACKAGE CONTENTS

Upon unpacking, please verify that all items are present and in good condition:

- 1 x AMTAST WT0124 Floating Pool Sensor (Transmitter)
- 1 x AMTAST WT0124 Indoor Receiver Unit
- 1 x Instruction Manual (this document)

**Note: Batteries are not included in the package due to aviation security regulations. Please purchase 2 x AA 1.5V Alkaline batteries for the transmitter and 2 x AAA 1.5V Alkaline batteries for**

the receiver separately.

## PRODUCT OVERVIEW

The AMTAST WT0124 Wireless Pool Thermometer consists of two main components: a floating sensor (transmitter) and an indoor receiver unit. The sensor measures water temperature and transmits it wirelessly to the receiver, which displays both indoor and outdoor temperatures, along with time and calendar functions.



Image: The AMTAST WT0124 Wireless Pool Thermometer showing the floating sensor and the indoor receiver unit.

### Key Features:

- **Wireless Transmission:** Monitors water temperature from up to 300 feet (100 meters) away using 433MHz RF technology.
- **Solar Power Option:** The floating sensor includes a solar panel for sustainable operation when using rechargeable batteries.
- **Digital LCD Display:** Easy-to-read display on the receiver unit shows indoor temperature, water temperature, time, and calendar.
- **Multi-functional:** Includes snooze alarm and adjustable calendar features.

- **Durable Construction:** Made of ABS material for high stability and waterproof performance (sensor only).



Image: Visual representation of the multi-functional capabilities of the thermometer, highlighting solar power, indoor temperature, pool temperature, calendar, and alarm clock features.

## SETUP

### 1. Battery Installation

Proper battery installation is crucial for the device's functionality. Please follow these steps carefully:

#### 1. For the Floating Sensor (Transmitter):

- Unscrew the top cap of the floating sensor.
- Insert 2 x AA 1.5V Alkaline batteries, observing the correct polarity (+/-).
- If using rechargeable batteries, ensure the solar function switch (if present) is turned **ON**. If using alkaline batteries, ensure the solar function switch is turned **OFF** to prevent battery damage.
- Securely re-attach the top cap, ensuring the waterproof seal is properly seated.

#### 2. For the Indoor Receiver Unit:

- Open the battery compartment cover on the back of the receiver unit.
- Insert 2 x AAA 1.5V Alkaline batteries, observing the correct polarity (+/-).
- Close the battery compartment cover.

**Important: Always install the outdoor sensor battery first, followed by the indoor monitor battery. Incorrect order may prevent connection or display of readings.**

## 2. Initial Synchronization

After battery installation, the receiver unit will attempt to connect with the floating sensor. This process may take a few minutes.

- Place the floating sensor in the water (e.g., pool, pond).
- Place the receiver unit in your desired indoor location, ensuring it is within 300 feet (100 meters) of the sensor and free from major obstructions.
- Wait for the indoor monitor to display data from the outdoor transmitter. **Do not press any buttons on the receiver until the outdoor temperature reading appears.**



Image: Physical dimensions of the sensor and receiver units, useful for placement considerations.

## OPERATING INSTRUCTIONS

## 1. Reading Temperatures

- Once synchronized, the receiver's LCD display will show the current water temperature (from the floating sensor) and the indoor ambient temperature.
- The display also shows the current time and date.

## 2. Setting Time and Date

Refer to the specific buttons on your receiver unit (usually labeled MODE, SET, UP, DOWN) to adjust the time and date. Typically:

- Press the **MODE** button to cycle through display modes (e.g., time, alarm).
- When in time display mode, press and hold the **SET** button to enter setting mode.
- Use the **UP** and **DOWN** buttons to adjust values.
- Press **SET** again to confirm and move to the next setting.

## 3. Setting Alarms

The device includes an alarm function. To set an alarm:

- Press the **MODE** button until the alarm time is displayed.
- Press and hold the **SET** button to enter alarm setting mode.
- Use the **UP** and **DOWN** buttons to adjust the alarm time.
- Press **SET** to confirm.
- Activate/deactivate the alarm using the designated alarm button (refer to your unit's specific button layout).

## MAINTENANCE

- Cleaning:** Wipe both the sensor and receiver units with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Battery Replacement:** Replace batteries in both units when the display becomes dim or readings become inconsistent. Follow the battery installation steps in the Setup section.
- Sensor Placement:** Ensure the floating sensor is not obstructed and has adequate exposure to sunlight if using rechargeable batteries with the solar function.
- Storage:** If storing the device for an extended period, remove all batteries to prevent leakage. Store in a cool, dry place.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No display on receiver or incorrect readings.	<ul style="list-style-type: none"> <li>◦ Low or dead batteries.</li> <li>◦ Incorrect battery installation order.</li> <li>◦ Sensor and receiver out of range.</li> <li>◦ Interference from other electronic devices.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Replace batteries in both units, ensuring correct polarity.</li> <li>◦ Re-install batteries, starting with the outdoor sensor first, then the indoor receiver.</li> <li>◦ Move the receiver closer to the sensor (within 300 feet/100 meters).</li> <li>◦ Relocate the receiver away from potential sources of interference.</li> </ul>
Outdoor temperature not displayed.	<ul style="list-style-type: none"> <li>◦ Sensor not transmitting.</li> <li>◦ Sensor out of range or obstructed.</li> <li>◦ Solar function switch incorrect for battery type.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Check sensor batteries and ensure the solar function switch is set correctly (ON for rechargeable, OFF for alkaline).</li> <li>◦ Ensure the sensor is floating freely and within transmission range of the receiver.</li> <li>◦ Wait for the receiver to establish connection before pressing buttons.</li> </ul>
Inaccurate temperature readings.	<ul style="list-style-type: none"> <li>◦ Sensor exposed to direct sunlight (for water temperature).</li> <li>◦ Sensor or receiver near heat sources.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Ensure the floating sensor is adequately submerged and not sitting on the surface in direct, intense sunlight for prolonged periods.</li> <li>◦ Relocate the receiver away from direct heat or cold sources.</li> </ul>



Image: Illustration of the wireless transmission range, showing the sensor in a pool and the receiver indoors, emphasizing the 300-foot distance capability.

## SPECIFICATIONS

Feature	Detail
Model Number	WT0124
Outdoor Temperature Range	-40°F to 140°F (-40°C to 60°C)
Indoor Temperature Range	32°F to 122°F (0°C to 50°C)
Temperature Accuracy	±1.0°C
Data Interval	48 seconds
Max Transmission Distance	300 feet (100 meters)
Connectivity Technology	433MHz RF

Feature	Detail
Sensor Dimensions (L x W x H)	6" x 3.5" x 3.5" (150 x 88 x 88mm)
Receiver Dimensions (L x W x H)	5" x 3" x 1" (125 x 75 x 25mm)
Weight	0.62 Pounds (0.28 Kg)
Sensor Power	2 x AA 1.5V Alkaline batteries (not included)
Receiver Power	2 x AAA 1.5V Alkaline batteries (not included)
Material	ABS (Acrylonitrile Butadiene Styrene)
Display Type	Digital LCD
Special Feature	Alarm, Calendar

## WARRANTY AND SUPPORT

AMTAST products are manufactured with quality and reliability in mind. While specific warranty details are not provided in this document, please retain your proof of purchase for any warranty claims.

For technical support, troubleshooting assistance, or inquiries regarding your AMTAST WT0124 Wireless Pool Thermometer, please contact AMTAST customer service through their official channels. Refer to the AMTAST website or your purchase documentation for contact information.

AMTAST is a dedicated provider of scientific products and laboratory equipment, committed to offering solutions for various applications.