



[Manuals.plus](#) /

> [Newentor](#) /

> Newentor PT01 Wireless Pool Thermometer User Manual

Newentor PT01

Newentor PT01 Wireless Pool Thermometer User Manual

Model: PT01

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation of your Newentor PT01 Wireless Pool Thermometer. Please read this manual thoroughly before use and retain it for future reference.



Figure 1: Newentor PT01 Wireless Pool Thermometer, illustrating the floating sensor and the indoor display unit.

2. PRODUCT FEATURES

- **Easy-Read Display:** Anti-glare LCD shows indoor and pool temperatures simultaneously for clear monitoring.
- **Wireless Transmission:** The floating sensor transmits temperature data to the main indoor unit every 15 seconds.
- **Robust Waterproofing:** The floating unit is IPX8-rated, designed to withstand water pressure up to 20 feet (6 meters).
- **Durable Sensors:** Features self-calibrating sensors that are resistant to corrosion from chlorine, saltwater, and UV exposure.
- **Multi-Zone Monitoring:** This device supports up to three water zones with 0.5°F precision (additional sensors sold separately).
- **Eco-Friendly Design:** Constructed using recycled marine plastics, promoting environmental sustainability.

3. PACKAGE CONTENTS

Please verify that all components are present in your package:

- 1 x Newentor PT01 Main Display Unit
- 1 x Newentor PT01 Floating Pool Sensor
- 1 x User Manual

Note: Batteries are not included and must be purchased separately. Refer to the 'Specifications' section for battery type and quantity.

4. SAFETY INFORMATION

- Do not expose the main display unit to direct water, rain, or excessive humidity. It is designed for indoor use only.
- Ensure the battery compartment seals on the floating sensor are properly and securely closed to maintain its waterproof integrity.
- Keep all batteries out of reach of children. Dispose of used batteries responsibly according to local environmental regulations.
- Do not attempt to disassemble, modify, or repair the device yourself. Unauthorized alterations may void the warranty and pose safety risks. Contact customer support for any service needs.
- Avoid placing the main unit near heat sources or in direct sunlight, which can affect indoor temperature readings and damage the device.

5. SETUP

5.1. Installing Batteries

1. For the Floating Sensor:

- Gently twist the top cap of the floating sensor counter-clockwise to unlock and remove it.
- Carefully pull out the internal module containing the LCD and battery compartment.
- Insert the required batteries (e.g., AAA, refer to specifications) into the compartment, ensuring correct polarity (+/-).
- Verify that the moisture-removing desiccant pack is properly positioned. For enhanced waterproofing, apply a thin layer of silicone grease or cooking oil to the rubber O-ring seal before reassembly.
- Carefully reinsert the internal module and twist the top cap clockwise until it is securely fastened and sealed.

2. For the Main Display Unit:

- Locate and open the battery compartment cover on the back of the main unit.
- Insert the required batteries (e.g., AAA, refer to specifications) into the compartment, observing correct polarity (+/-).
- Close the battery compartment cover securely.

5.2. Pairing the Units

After battery installation, the main display unit and floating sensor should automatically attempt to pair. This process typically takes a few minutes. For optimal initial pairing, place both units in close proximity (e.g., within 1 meter) during the first setup.

Note: The initial synchronization and display of accurate readings may take up to 15-20 minutes as the sensors calibrate and transmit data. If using multiple floating sensors, ensure each sensor and the main unit are set to the desired channel

(see 'Operating Instructions').

5.3. Placement

- **Floating Sensor:** Place the floating sensor directly into your swimming pool, hot tub, spa, or pond. The integrated weighted anchors are designed to keep the sensor upright in the water. A sturdy rope is included to optionally tie the sensor to a pool ladder or edge, preventing it from drifting.
- **Main Display Unit:** Position the main unit indoors in a convenient location where the display can be easily viewed. It can be placed on a flat surface using its integrated stand or mounted on a wall using the designated mounting slot. Ensure it is within the wireless transmission range of the floating sensor.

6. OPERATING INSTRUCTIONS

6.1. Display Overview

The main display unit's LCD provides comprehensive information at a glance:

- **Current Indoor Temperature:** Displays the ambient temperature at the main unit's location.
- **Current Water Temperature:** Shows the temperature transmitted from the floating sensor.
- **Time:** The current time, which can be set by the user.
- **Indoor Air Temperature and Humidity:** Provides readings for the indoor environment.
- **Daily High/Low Water Temperatures:** Records and displays the maximum and minimum water temperatures detected within a 24-hour period.
- **Temperature Trend Indicator:** A visual cue (e.g., blue for cold, green for comfortable, red for warm) indicating the general water temperature status.
- **Channel Indicator:** Shows which floating sensor channel is currently being displayed (if multiple sensors are used).

6.2. Button Functions

The main unit is equipped with several buttons for easy navigation and setting adjustments:

- **°C/°F Button:** Press this button to toggle the temperature display between Celsius (°C) and Fahrenheit (°F) units.
- **CHANNEL Button:** If you are using multiple floating sensors (up to three), press this button to cycle through the individual sensor channels (1, 2, 3) or to activate a rotating display mode that shows all channels sequentially. Ensure each floating sensor is configured to its unique channel.
- **SET Button:** Used to enter the time setting mode or to confirm selections within various configuration menus.
- **UP/DOWN Buttons:** These buttons are used to adjust numerical values (e.g., hours, minutes) when in a setting mode.

6.3. Setting the Time

To set the current time on your main display unit:

1. Press and hold the **SET** button for approximately 3 seconds until the hour display begins to flash.
2. Use the **UP** or **DOWN** buttons to adjust the hour to the correct value.
3. Press the **SET** button again to confirm the hour and proceed to the minute adjustment. The minute display will begin to flash.
4. Use the **UP** or **DOWN** buttons to adjust the minutes to the correct value.
5. Press the **SET** button one last time to confirm the minutes and exit the time setting mode.

7. MAINTENANCE

- **Battery Replacement:** Replace the batteries in both the main unit and the floating sensor promptly when the low battery indicator appears on the display. Always replace all batteries within a unit simultaneously to ensure consistent power.
- **Cleaning:** To clean the devices, gently wipe the surfaces of both the main unit and the floating sensor with a soft, slightly damp cloth. Avoid using abrasive cleaners, chemical solvents, or harsh detergents, as these can damage the plastic and electronic components.
- **Waterproofing Seal Inspection:** Periodically inspect the rubber O-ring seal within the floating sensor's battery compartment. Check for any signs of wear, cracks, or damage. During battery changes, it is recommended to apply a thin, even layer of silicone grease or cooking oil to the O-ring to maintain its flexibility and ensure an optimal waterproof seal.
- **Storage:** If you plan to store the thermometer for an extended period (e.g., during off-season), remove all batteries from both the main unit and the floating sensor. This prevents potential battery leakage and corrosion, which can damage the device. Store the units in a cool, dry place, away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Main unit display is blank or not turning on.	<ul style="list-style-type: none"> • Batteries are dead. • Batteries are inserted incorrectly. 	<ul style="list-style-type: none"> • Replace all batteries in the main unit with new ones. • Check battery polarity (+/-) and reinsert correctly.
No water temperature reading or "--" displayed for water temperature.	<ul style="list-style-type: none"> • Floating sensor batteries are dead. • Main unit and floating sensor are out of wireless range. • Wireless interference from other electronic devices. • Water has entered the floating sensor's battery compartment. • Units are not properly paired or on different channels. 	<ul style="list-style-type: none"> • Replace all batteries in the floating sensor. • Move the main unit closer to the floating sensor. • Relocate units away from potential sources of interference (e.g., Wi-Fi routers, cordless phones). • Open the floating sensor, dry it thoroughly, check the seal for damage, apply grease, and reassemble securely. • Ensure both units are set to the same channel. Re-pair by removing and reinserting batteries in both units.
Inaccurate or inconsistent temperature readings.	<ul style="list-style-type: none"> • Floating sensor not fully submerged in water. • Initial calibration period after setup or battery change. • Main unit exposed to direct sunlight or heat source. 	<ul style="list-style-type: none"> • Ensure the floating sensor is fully immersed in the water. • Allow up to 20 minutes for readings to stabilize after initial setup or significant temperature changes. • Relocate the main unit to a shaded area or away from heat sources.
Difficulty setting time or changing units.	Incorrect button press sequence or timing.	Refer to Section 6.2 and 6.3 for detailed instructions on button functions and time setting. Ensure buttons are pressed firmly.

9. SPECIFICATIONS

Model Number	PT01
Water Temperature Range	0°F to 122°F (0°C to 50°C)
Indoor Temperature Range	0°F to 122°F (0°C to 50°C)
Temperature Accuracy	±0.5°F (±0.3°C)
Waterproof Rating (Floating Sensor)	IPX8 (Submersible up to 20 feet / 6 meters)
Wireless Transmission Frequency	433 MHz
Data Transmission Interval	Every 15 seconds
Power Source (Floating Sensor)	2 x AAA Batteries (not included)
Power Source (Main Display Unit)	2 x AAA Batteries (not included)
Item Length (Floating Sensor)	Approximately 5.5 Inches (14 cm)
Manufacturer	FUJIAN EMAX INTELLIGENT CO., LTD

10. WARRANTY AND CUSTOMER SUPPORT

Newentor products are manufactured with a commitment to quality and performance. For detailed warranty information, technical assistance, or any customer service inquiries regarding your PT01 Wireless Pool Thermometer, please visit the official Newentor website or contact the retailer from whom you purchased the product.

When contacting support, please be prepared to provide your product model number (PT01) and the date of purchase to facilitate efficient service.

