

Newentor PT01

Newentor PT01 Wireless Floating Pool Thermometer User Manual

Model: PT01 | Brand: Newentor

1. INTRODUCTION

Thank you for choosing the Newentor PT01 Wireless Floating Pool Thermometer. This device provides accurate, real-time water temperature readings for various applications, including swimming pools, hot tubs, and fish tanks. It also features an indoor display unit that shows both water temperature and indoor ambient temperature and humidity. Please read this manual carefully before use to ensure proper operation and longevity of your device.

2. PRODUCT OVERVIEW

2.1 Components

- Floating Water Sensor (Transmitter)
- Indoor Display Unit (Receiver)
- User Manual

2.2 Key Features

- **High Accuracy:** Provides water temperature readings with an accuracy of $\pm 1^{\circ}\text{F}$.
- **Fast Response:** Water temperature response within 5 seconds.
- **IPX8 Waterproof:** The floating sensor is designed with multiple waterproof protections, including an upgraded display module, waterproof rubber ring, and anti-corrosion casing.
- **Long Wireless Range:** Supports signal transmission up to 330 feet (100 meters) in open air.
- **Indoor Display:** The receiver unit displays water temperature, indoor temperature, and indoor humidity.
- **Energy Efficient:** Designed for extended battery life.

- **Wide Application:** Suitable for swimming pools, bathtubs, fish tanks, and fish ponds.



Figure 1: Newentor PT01 Floating Pool Thermometer in use, displaying water temperature.

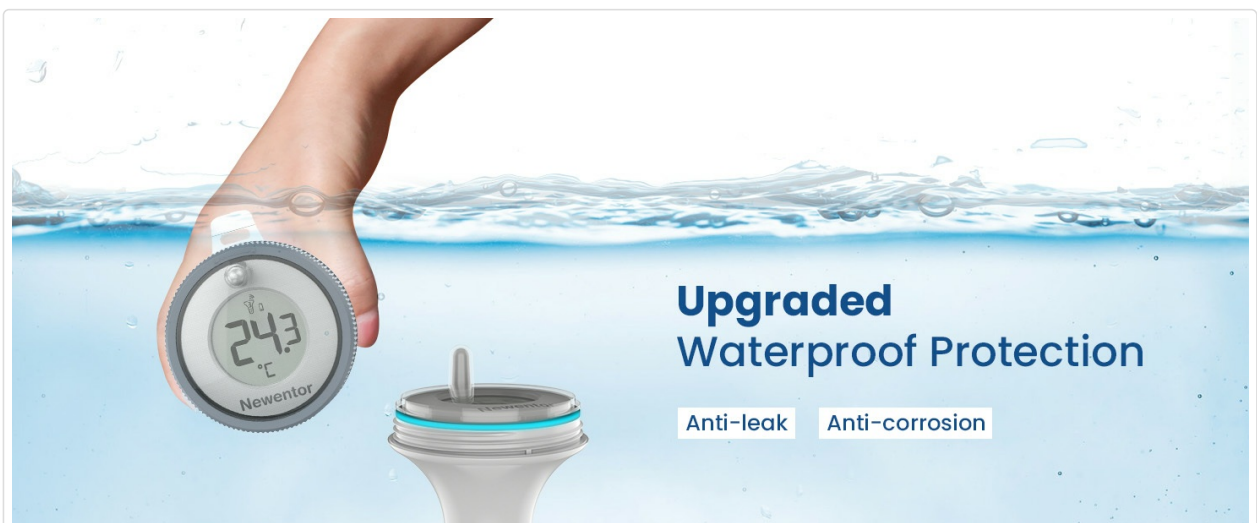


Figure 2: Illustration of the IPX8 waterproof design, highlighting anti-leak and anti-corrosion features.

3. SETUP INSTRUCTIONS

3.1 Battery Installation

1. For the Floating Water Sensor:

- a. Unscrew the top lid of the floating sensor counter-clockwise.
- b. Carefully remove the display module and waterproof rubber ring.
- c. Insert the required batteries (typically AAA, refer to specifications) into the battery compartment, observing polarity (+/-).
- d. Ensure the waterproof rubber ring is clean and properly seated.
- e. Reinsert the display module and screw the lid back on clockwise until it is hand-tight. Ensure a secure seal to prevent water ingress.

2. For the Indoor Display Unit:

- a. Open the battery compartment cover on the back of the indoor display unit.
- b. Insert the required batteries (typically AAA, refer to specifications) into the battery compartment, observing polarity (+/-).
- c. Close the battery compartment cover.



Figure 3: Exploded view of the floating sensor, illustrating the screw lid, display module, waterproof rubber ring, anti-corrosion casing, and built-in desiccant for battery installation.

3.2 Pairing the Units

The floating sensor and indoor display unit should automatically pair once batteries are installed. If pairing does not occur, or if the signal is lost:

- Ensure both units have fresh batteries.
- Place the indoor display unit and floating sensor close to each other during initial setup.
- Refer to the troubleshooting section for re-pairing instructions if needed.

3.3 Placement

- **Floating Water Sensor:** Place the sensor directly into the water body (pool, hot tub, fish tank). Ensure it floats freely and is not obstructed.
- **Indoor Display Unit:** Place the display unit indoors, within the wireless range of the floating sensor. Avoid placing it near large metal objects or electronic devices that may interfere with the wireless signal.



Figure 4: Illustration of the 330ft ultra-long distance signal transmission capability in open air between the floating sensor and the indoor display unit.

4. OPERATING INSTRUCTIONS

4.1 Reading the Display

The indoor display unit provides the following information:

- **Water Temperature:** The primary large display shows the current water temperature from the floating sensor.
- **Indoor Temperature:** Displays the ambient temperature at the location of the indoor unit.
- **Indoor Humidity:** Shows the relative humidity at the location of the indoor unit.
- **Time/Date:** Some models may include time and date display.
- **Battery Indicators:** Icons may indicate low battery status for either the sensor or the display unit.



Figure 5: The indoor display unit showing water temperature, indoor temperature, and humidity readings.

4.2 Temperature Unit Selection

Most units allow switching between Celsius (°C) and Fahrenheit (°F). Refer to the buttons on the indoor display unit, usually a dedicated “°C/°F” button, to toggle the temperature unit.

5. MAINTENANCE

- **Cleaning:** Periodically clean the floating sensor and indoor display unit with a soft, damp cloth. Avoid abrasive cleaners or solvents. The anti-biofouling casing on the floating thermometer helps resist algae

growth.

- **Battery Replacement:** Replace batteries in both units when the low battery indicator appears on the indoor display. Always use new batteries of the specified type. Ensure the floating sensor's lid is securely tightened after battery replacement to maintain its IPX8 waterproof rating.
- **Water Seal Integrity:** Regularly inspect the waterproof rubber ring and the screw lid of the floating sensor for any signs of wear or damage. A compromised seal can lead to water ingress and device malfunction. Ensure the lid is always properly sealed after opening.
- **Storage:** When not in use for extended periods, remove batteries from both units and store them in a cool, dry place.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No reading or "--" on indoor display	Low batteries in sensor or display unit; Out of range; Interference; Pairing issue.	Replace batteries in both units. Move display unit closer to the sensor. Avoid placing near large metal objects. Re-pair units by removing and reinserting batteries in both.
Inaccurate temperature reading	Sensor not fully submerged; Sensor placed in direct sunlight; Sensor malfunction.	Ensure sensor is fully submerged in water. Move sensor to a shaded area if possible. If problem persists, contact support.
Water inside floating sensor	Lid not securely tightened; Damaged waterproof seal.	Immediately remove batteries and allow the unit to dry completely. Inspect the rubber ring and lid for damage. Ensure the lid is securely tightened when reassembling. If damage is present, the waterproof integrity may be compromised.
Weak or intermittent signal	Distance too far; Obstructions (walls, metal); Interference.	Move indoor display unit closer to the floating sensor. Reduce obstructions between units.

7. SPECIFICATIONS

Feature	Detail
Model Number	PT01
Brand	Newentor
Color	White
Outer Material	Plastic
Display Type	Digital
Connectivity Technology	Bluetooth (Wireless)

Feature	Detail
Power Source	Battery Powered (Specific battery type not provided, typically AAA)
Upper Temperature Rating	40 Degrees Celsius (104 Degrees Fahrenheit)
Indoor/Outdoor Usage	Outdoor (Sensor), Indoor (Display Unit)
Item Length (Floating Sensor)	13.97 Centimeters (5.5 inches)
Accuracy	±1°F
Response Time	Within 5 seconds
Wireless Range	Up to 330 feet (100 meters) in open air
Waterproof Rating	IPX8 (Floating Sensor)

8. WARRANTY AND SUPPORT

Newentor products are designed for reliability and performance. For warranty information or technical support, please refer to the contact details provided with your product packaging or visit the official Newentor website. Please have your model number (PT01) and purchase information ready when contacting support.