Newentor PT01-1

Newentor Pool Thermometer User Manual

Model: PT01-1

1. Product Overview

The Newentor Pool Thermometer is a sophisticated digital device designed for accurate and reliable temperature monitoring in various water environments. It features a wireless water sensor and an indoor monitor that displays water temperature, indoor temperature, indoor humidity, and time. Engineered with advanced measurement chips and robust waterproofing, it ensures precise readings and stable connectivity.



Figure 1: Newentor Pool Thermometer - Water Sensor and Indoor Monitor

Key Features:

- **Four-fold Waterproof Protection:** Enhanced sealing ring, anti-corrosion shell, desiccant, and waterproof internal hardware prevent water intrusion and rust.
- **100m Stable Wireless Transmission:** Improved antenna technology ensures a reliable connection between the water sensor and the indoor station.
- **High-Precision Water Temperature Measurement:** Utilizes imported chips for accurate readings, updating approximately every 30 seconds.
- **Energy Efficient:** Equipped with a low-power consumption chip for extended battery life.
- **Multi-functional Display:** Monitors water temperature in pools, bathtubs, aquariums, saunas, and breeding ponds. Also displays indoor temperature, humidity, and features a clock function.
- **Large Digital Display:** Easy-to-read display for all monitored parameters.

2. Safety Information

- Do not expose the device to extreme temperatures outside its operating range.
- Ensure battery compartment is securely sealed after battery installation to maintain waterproofing.
- Keep batteries out of reach of children.
- Dispose of old batteries according to local regulations.
- Do not attempt to disassemble or repair the device yourself. Contact support if issues arise.

3. Package Contents

Please check the package for the following items:

- 1 x Newentor Indoor Thermometer (Display Unit)
- 1 x Newentor Water Sensor (Floating Unit)
- 1 x User Manual

Note: 2 AA batteries are required for operation and are not included in the package.

4. Setup

4.1 Battery Installation

1. **For the Water Sensor:**
    - Twist the top cap of the water sensor counter-clockwise to open the battery compartment.
    - Insert 2 AA batteries (not included) into the compartment, observing the correct polarity (+/-).
    - Ensure the rubber sealing ring is properly seated and free of debris.
    - Securely twist the top cap clockwise until it is tightly sealed to ensure waterproofing.
2. **For the Indoor Monitor:**
    - Open the battery cover on the back of the indoor monitor.
    - Insert 2 AA batteries (not included) into the compartment, observing the correct polarity (+/-).
    - Close the battery cover.

4.2 Initial Pairing

The water sensor and indoor monitor should automatically pair once batteries are installed. If pairing does not occur:

- Ensure both units are within the 100m transmission range.
- Press the "RESET" button on both units (if available, refer to specific button layout on device).
- Remove and reinsert batteries in both units.

4.3 Placement

- Place the water sensor in the desired water body (pool, bathtub, etc.). Ensure it floats freely and is not obstructed.
- Place the indoor monitor in a central location within your home, away from direct sunlight or heat sources, to ensure accurate indoor temperature and humidity readings.

5. Operating Instructions

5.1 Display Overview

The indoor monitor displays the following information:

- **Time:** Current time (can be set).
- **Indoor Temperature:** Temperature at the indoor monitor's location.
- **Indoor Humidity:** Humidity at the indoor monitor's location.
- **Water Temperature:** Temperature reported by the floating water sensor.
- **Battery Level Indicator:** Shows remaining battery life for both units.
- **Signal Strength Indicator:** Shows connection strength between units.

5.2 Setting Time and Units

Refer to the buttons on the indoor monitor (e.g., MODE, SET, UP, DOWN) to adjust settings:

- **Time Setting:** Press the "SET" button to enter time setting mode. Use "UP" or "DOWN" to adjust hours/minutes, and "SET" again to confirm.
- **Temperature Unit:** Press a dedicated button (often labeled "°C/°F" or similar) to switch between Celsius and Fahrenheit.

Specific button functions may vary slightly. Consult the quick start guide included with your product for detailed button operations.

6. Maintenance

- **Cleaning:** Wipe both units with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries in both units when the low battery indicator appears on the indoor monitor. Ensure the water sensor's battery compartment is sealed tightly after replacement to maintain waterproofing.
- **Storage:** If storing the thermometer for an extended period, remove batteries from both units to prevent leakage. Store in a cool, dry place.
- **Water Sensor Seal:** Periodically inspect the rubber sealing ring on the water sensor for any signs of wear or damage. A damaged seal can compromise waterproofing.

7. Troubleshooting

Problem	Possible Cause	Solution
No display on indoor monitor.	Dead batteries; Incorrect battery installation.	Replace batteries; Check battery polarity.
Water temperature not displayed or inaccurate.	Water sensor out of range; Dead batteries in sensor; Sensor submerged too deep; Pairing issue.	Move indoor monitor closer to sensor; Replace sensor batteries; Ensure sensor floats freely; Re-pair units.
Indoor temperature/humidity inaccurate.	Indoor monitor placed near heat/cold source; Ventilation issues.	Relocate indoor monitor to a stable environment.
Water inside the sensor.	Improperly sealed battery compartment; Damaged sealing ring.	Ensure cap is tightly sealed; Inspect and replace sealing ring if damaged. Contact support if issue persists.

8. Specifications

Parameter	Detail

Parameter	Detail
Model Number	PT01-1
Brand	Newentor
Material	Acrylonitrile Butadiene Styrene (ABS)
Display Type	Digital
Power Source	Battery operated (2 AA batteries for each unit, not included)
Product Dimensions	2.54 x 8.89 x 8.89 cm (approximate)
Item Weight	18 g (approximate)
Wireless Transmission Range	Up to 100 meters (open air)
Temperature Update Rate	Approximately every 30 seconds (water temperature)
Special Features	Large display, Fast update, High accuracy, Programmable, Battery level indicator

9. Warranty and Support

Newentor products are designed for reliability and performance. For warranty information or technical support, please refer to the contact details provided on the product packaging or the official Newentor website. Please have your model number (PT01-1) and purchase details ready when contacting support.

Note: Specific warranty terms may vary by region and retailer. Please retain your proof of purchase.

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

Why does the temperature not show on my Newentor PT01-1 indoor device?

If your Newentor PT01-1 indoor monitor is not displaying temperature, the solution depends on whether the entire screen is blank or if only the water temperature reading is missing.If the entire indoor display is...

Read full answer