Raddy PT-3

Raddy PT-3 Wi-Fi Pool Thermometer User Manual

Model: PT-3 | Brand: Raddy

1. INTRODUCTION AND OVERVIEW

The Raddy PT-3 is a comprehensive Wi-Fi enabled pool thermometer system designed for easy monitoring of temperature and humidity in multiple areas, including your pool. It features a large digital display, rechargeable main console, and two additional remote sensors, providing a complete solution for indoor and outdoor environmental monitoring.

This multifunctional set ensures precise readings and offers convenient features such as low battery alerts and a transmission range of up to 300 feet, ensuring comprehensive coverage across your pool area.

Figure 1: Raddy PT-3 Wi-Fi Pool Thermometer System Components. This image displays the main console, two remote sensors, and the floating pool thermometer, along with a smartphone showing the companion app.

2. WHAT'S IN THE BOX

Upon opening your Raddy PT-3 package, please verify that all the following components are included:

- 1 x Wireless Pool Sensor
- 1 x Display Console
- 2 x Remote Sensors
- 2 x Wrenches (for pool sensor battery compartment)
- 6 x AA Batteries (included for remote sensors and pool sensor)
- 1 x Type-C Charging Cable (for display console)
- 1 x User Manual (this document)

Figure 2: Package Contents. This image shows all items included in the Raddy PT-3 box: the main display console, the floating pool thermometer, two remote sensors, two wrenches, AA batteries, and a USB-C charging cable.

3. KEY FEATURES

- **Multifunctional Thermometer Set:** Includes 2 remote sensors, 1 floating pool thermometer, and 1 large console for precise readings. Each sensor features a display and low battery alerts for added convenience, while offering a transmission range of up to 300 feet, ensuring comprehensive coverage across your pool area.

- **Smart APP Monitor:** With its Tuya APP, monitor temperature and humidity levels from anywhere, and effortlessly customize settings such as time format and temperature units to suit your preferences. Store up to a year's data and enjoy the convenience of automatic time synchronization. *Note: Only compatible with 2.4GHz Wi-Fi.*

- **Upgraded Indoor Monitor:** Featuring a large LCD display, it monitors temperature and humidity in up to 4 areas simultaneously. With a backlight for easy reading, it also records the day's maximum and minimum temperature and humidity, ensuring comprehensive surveillance of your pool environment.

- **Convenient Charging:** The indoor monitor is powered by a 1200mAh rechargeable battery, ensuring long-lasting performance. Simply charge it using the included Type-C cable for continuous monitoring, guaranteeing

uninterrupted surveillance of your pool environment. Additionally, enjoy the convenience of an alarm clock function with customizable snooze settings.

- **Durable Design:** This IPX7 waterproof and dustproof pool thermometer features an upgraded double Rubber gasket design and can be submerged up to 3.3 feet underwater. With a remarkable battery life of up to one year on a single replacement, enjoy uninterrupted pool monitoring without hassle, ensuring your pool is always at its best.

Figure 3: Wireless APP Control and Key Features. This image highlights the wireless app control, 2.4G Wi-Fi compatibility, internet time synchronization, Celsius/Fahrenheit switch, and display backlight features of the Raddy PT-3.

4. SETUP GUIDE

4.1 Initial Power-Up and Charging

1. **Charge the Display Console:** Connect the included Type-C cable to the display console and a suitable USB power adapter (not included). Ensure the console is fully charged before initial setup for optimal performance, especially during Wi-Fi pairing.

2. **Install Batteries in Sensors:** Insert the provided AA batteries into the wireless pool sensor and the two remote sensors. Ensure correct polarity. For the pool sensor, use the provided wrench to open and securely close the battery compartment to maintain its IPX7 waterproof rating.

4.2 App Installation and Wi-Fi Pairing

1. **Download the Tuya App:** Search for "Tuya" or "Tuya Smart" in your device's app store (iOS App Store or Android's Google Play Store) and install the application.

2. **Register/Log In:** Open the Tuya app and create a new account or log in with an existing one.

3. **Add Device:** In the Tuya app, select "Add Device" or the "+" icon. Follow the on-screen prompts to add the Raddy PT-3. Ensure your smartphone is connected to a **2.4GHz Wi-Fi network**, as the device is not compatible with 5GHz networks.

4. **Wi-Fi Sync (Important):** For successful Wi-Fi synchronization, the main display console must be plugged into power via the Type-C cable. Wi-Fi sync may not work reliably on battery power alone.

5. **Sensor Frequency Selection:** Ensure each remote sensor and the pool sensor are set to a unique frequency (e.g., Transmitter 1 on frequency 1, Transmitter 2 on frequency 2, Pool Thermometer on frequency 3). Refer to the individual sensor's instructions for setting its frequency.

Figure 4: App Setup and Multi-Area Monitoring. This image illustrates the process of setting up the Raddy PT-3 with the Tuya app, showing how the main console, remote sensors, and pool thermometer connect to monitor four areas simultaneously.

5. Operating Instructions

5.1 Display Console Functions

- **Temperature and Humidity Display:** The large LCD display shows current temperature and humidity readings for up to four areas (main console, two remote sensors, and pool sensor).

- **Backlight:** The display features a backlight for easy reading in various lighting conditions. Activate it by pressing the "SNOOZE/LIGHT" button on top.

- **Max/Min Records:** The console automatically records the day's maximum and minimum temperature and humidity. Press the "MEM" button to cycle through these records.

- **Time and Date:** The console synchronizes time automatically via the internet once connected to Wi-Fi.

- **Alarm Clock:** Utilize the built-in alarm clock function with customizable snooze settings. Refer to the console's

buttons ("SET/MODE", "ALARM", "+", "-") for setting the alarm.

- **Unit Switching:** Easily switch between Celsius (°C) and Fahrenheit (°F) temperature units using the appropriate button or setting in the app.

5.2 Smart App Monitoring

- **Remote Monitoring:** View real-time temperature and humidity data from all connected sensors on your smartphone via the Tuya app, from anywhere with an internet connection.

- **Data Storage:** The app stores up to one year of historical data, allowing you to track trends and analyze environmental conditions over time.

- **Customization:** Adjust settings such as time format, temperature units, and backlight brightness directly from the app.

- **Notifications:** Set up alerts for specific temperature or humidity thresholds to receive notifications on your smartphone.
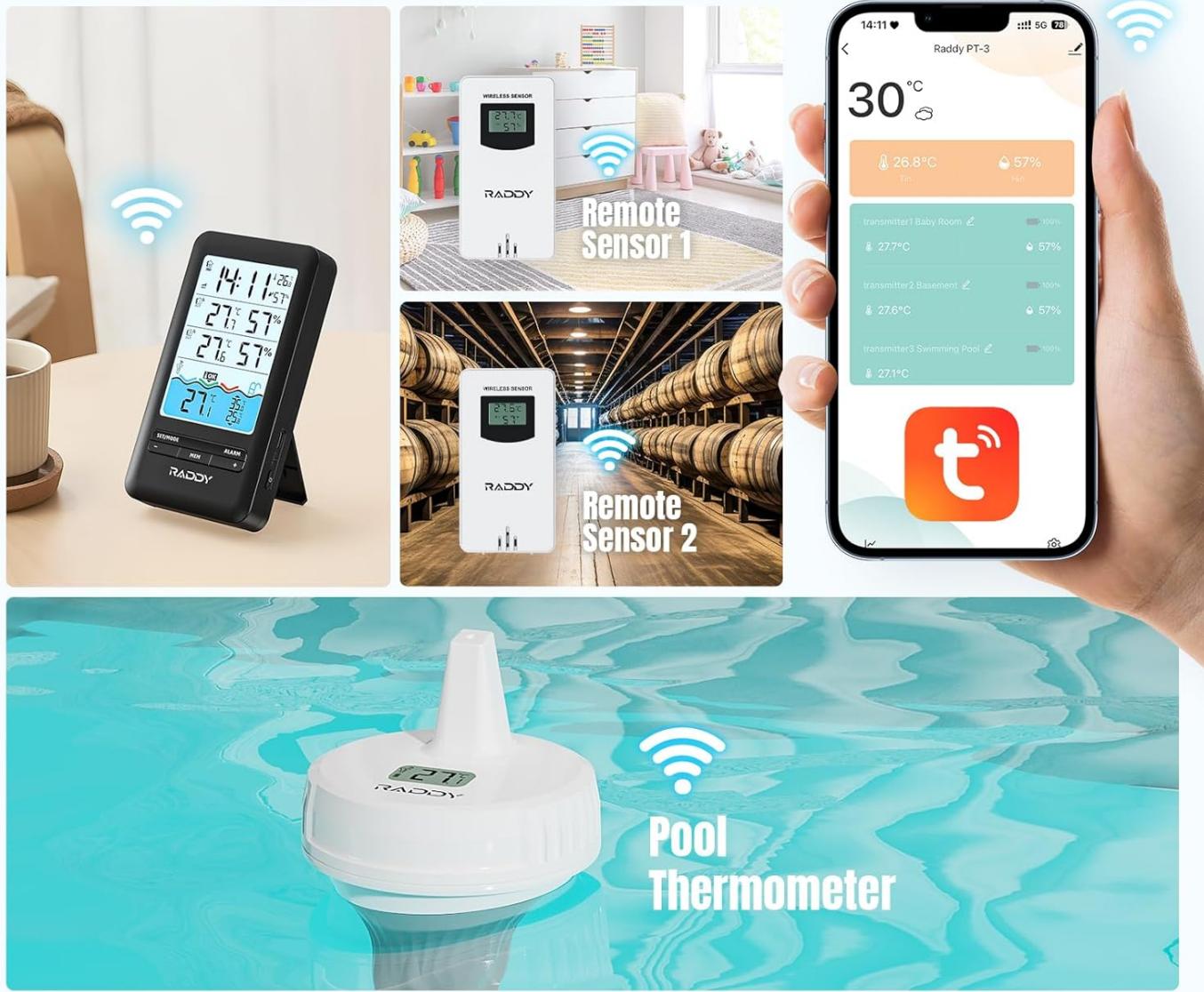

Figure 5: Convenient Charging. This image shows the Raddy PT-3 main console being charged via its Type-C port, highlighting its

6. MAINTENANCE

- **Cleaning:** The display console and remote sensors can be wiped clean with a soft, damp cloth. For the pool sensor, which is IPX7 waterproof, it can be hand washed. Avoid using abrasive cleaners or solvents.

- **Battery Replacement (Pool & Remote Sensors):** The pool sensor has a remarkable battery life of up to one year on a single replacement. When the low battery alert appears on the sensor's display or in the app, replace the AA batteries. Use the provided wrench to open and securely close the battery compartment of the pool sensor to maintain its waterproof seal.

- **Recharging (Display Console):** The indoor monitor's 1200mAh rechargeable battery ensures long-lasting performance. Recharge it using the included Type-C cable when the battery indicator shows low power.

- **Storage:** If storing the device for an extended period, remove batteries from the remote and pool sensors. Store all components in a cool, dry place.

Raddy PT-3 Wireless Thermometer

- ✅ Big Console & Rechargeable Battery
- ✅ APP Control & 1 Year Data Storage
- ✅ Additional 2 Sensors with Display
- ✅ Monitor 4 Areas at the Same Time
- ✅ Alarm Clock
- ✅ Double Rubber Gaskets

Others

Small Console & AA Battery

❌

❌

Monitor 2 Areas

❌

Single Rubber Gasket
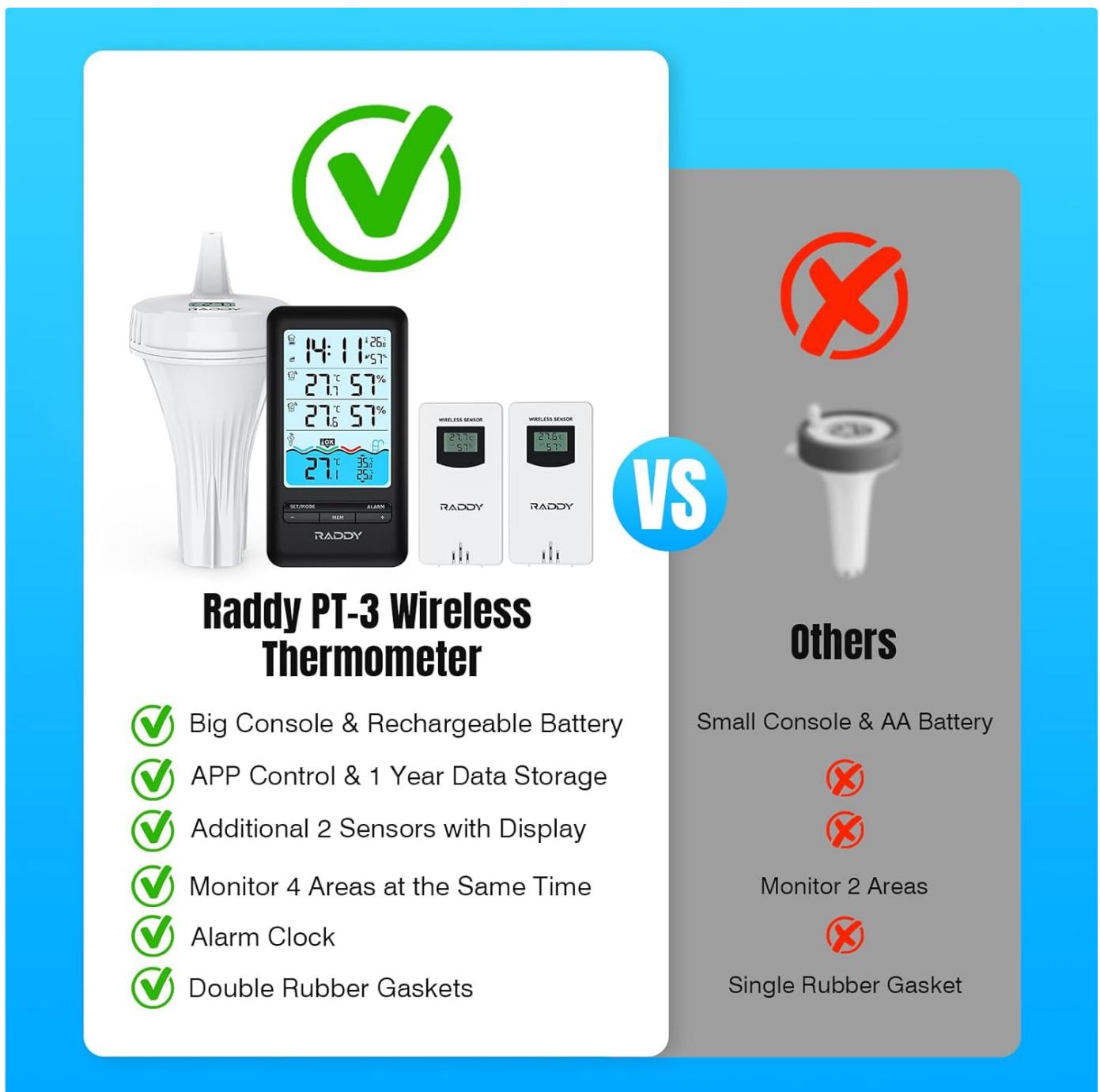
Figure 6: Durable Design. This image compares the Raddy PT-3 with other thermometers, emphasizing its robust construction, including

7. TROUBLESHOOTING

If you encounter issues with your Raddy PT-3, please refer to the following common troubleshooting steps:

Problem	Possible Cause / Solution
Display Console not powering on.	Ensure the console is charged using the Type-C cable. The 1200mAh rechargeable battery may be depleted.
Sensors not connecting to the display console.	1. Check if batteries are correctly installed in the sensors and are not depleted. 2. Ensure each sensor is set to a unique frequency (e.g., 1, 2, 3). 3. Reduce the distance between the sensors and the display console. The maximum transmission range is 300 feet, but obstacles can reduce this.
App not connecting to the display console (Wi-Fi issue).	1. Ensure your Wi-Fi network is 2.4GHz. The device is not compatible with 5GHz networks. 2. The display console must be plugged into power via the Type-C cable during Wi-Fi synchronization. It may not sync on battery power alone. 3. Try rebooting your Wi-Fi router. 4. Ensure you have selected the correct device model (Raddy PT-3) within the Tuya app during pairing.
Inaccurate temperature readings.	1. Replace the batteries in the affected sensor. Low battery can impact accuracy. 2. Ensure the sensor is placed in an appropriate location, away from direct sunlight or heat sources that could skew readings.
Temperature unit stuck (Celsius/Fahrenheit).	Check for a physical switch on the sensor or console (if applicable) to change units. Also, verify the unit setting within the Tuya app.

Figure 7: Raddy PT-3 System. This image provides an overall view of the Raddy PT-3 system, which can be used as a visual reference during troubleshooting.

8. SPECIFICATIONS

Feature	Detail
Model Number	PT-3
Brand	Raddy
Package Dimensions	8.07 x 5.35 x 4.69 inches; 2.09 Pounds
Batteries	6 AA batteries required (included for sensors)
Display Console Battery	1200mAh Rechargeable (Type-C charging)
Date First Available	March 29, 2024

| Feature	Detail
Manufacturer	Raddy
Special Features	App Companion, Backlit, High Accuracy, Low Battery Indicator, Rechargeable
Color	Black, White
Outer Material	Plastic
Display Type	Digital
Connectivity Technology	Wi-Fi (2.4GHz only)
Product Care Instructions	Hand Wash Only (for pool sensor)
Included Components	Wireless Pool Sensor x 1; Display Console x 1; Remote Sensor x 2; Wrench x 2
Waterproof Rating (Pool Sensor)	IPX7 (submersible up to 3.3 feet)

Figure 8: Product Dimensions. This image provides detailed dimensions for the floating pool sensor, the main display console, and the remote sensors.

9. WARRANTY AND SUPPORT

Raddy is committed to customer satisfaction and stands behind its products. While specific warranty terms are not detailed here, customer reviews indicate strong support for product issues.

If you experience any issues with your Raddy PT-3 Wi-Fi Pool Thermometer, please contact Raddy customer support directly. They are known for their quick response and dedication to resolving customer concerns.

For the most up-to-date support information, please visit the official Raddy website or refer to the contact details provided in your product packaging.

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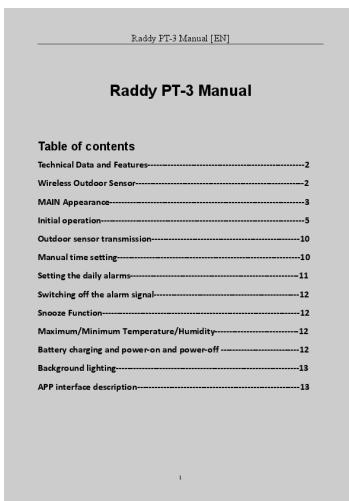
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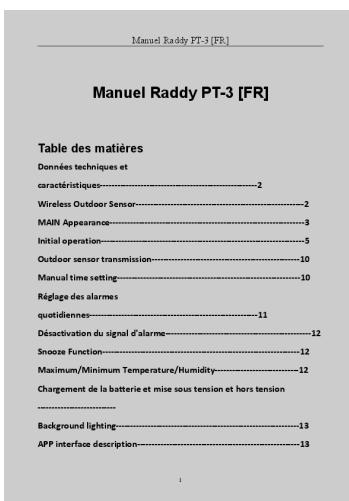
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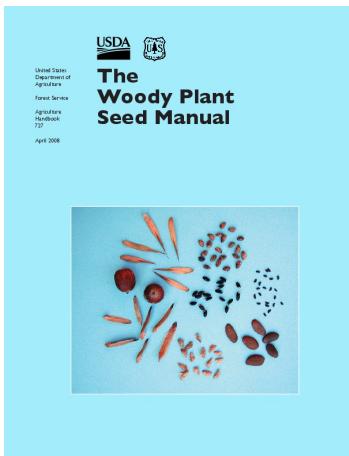
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