Inkbird IBS-P01R, IBS-TH2

Inkbird IBS-P01R Wireless Pool Thermometer and IBS-TH2 Freezer Wireless Thermometer

User Manual

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1. INTRODUCTION

This manual provides detailed instructions for the Inkbird IBS-P01R Wireless Pool Thermometer and the Inkbird IBS-TH2 Freezer Wireless Thermometer. These devices are designed to monitor temperature in various environments, offering convenience and accuracy for both indoor and outdoor applications.

The IBS-P01R is a floating, waterproof thermometer ideal for monitoring water temperatures in pools, spas, and aquariums. It transmits data wirelessly to a receiver, allowing you to check readings remotely.

The IBS-TH2 is a compact Bluetooth temperature sensor suitable for monitoring ambient temperatures in refrigerators, freezers, rooms, greenhouses, and more. It connects to your smartphone via Bluetooth for real-time data, historical graphs, and alert notifications.

Image 1.1: Inkbird IBS-P01R Wireless Pool Thermometer (floating sensor and receiver) and Inkbird IBS-TH2 Bluetooth Temperature Sensor.

2. COMPONENTS

Please check the package contents to ensure all items are present:

- **Inkbird IBS-P01R Floating Pool Thermometer:** This unit floats in water and measures temperature.
- **Inkbird IBS-P01R Receiver:** Displays the temperature reading from the floating sensor.
- **Inkbird IBS-TH2 Bluetooth Temperature Sensor:** A compact sensor for ambient temperature monitoring.
- User Manual (this document).

Note: Batteries are typically not included and must be purchased separately. The IBS-TH2 requires 2 AAA batteries.

3. SETUP

3.1. Inkbird IBS-P01R Wireless Pool Thermometer

1. **Insert Batteries:** Open the battery compartment on both the floating sensor and the receiver. Insert the required batteries, ensuring correct polarity. Close the compartments securely.

2. **Power On:** Turn on both the floating sensor and the receiver. They should automatically attempt to pair.

3. **Placement:** Place the floating sensor in the water (e.g., pool, spa, fish pond). Ensure it floats freely and is not obstructed. Position the receiver within the maximum wireless range of 300 feet (without obstacles) for optimal signal reception.

Image 3.1: Inkbird IBS-P01R Floating Pool Thermometer.

3.2. Inkbird IBS-TH2 Bluetooth Temperature Sensor

1. **Insert Batteries:** Open the battery compartment on the IBS-TH2 sensor. Insert 2 AAA batteries, observing correct polarity. Close the compartment.

2. **Download App:** Download the official Inkbird app from your smartphone's app store (iOS or Android).

3. **Pairing:** Enable Bluetooth on your smartphone. Open the Inkbird app and follow the on-screen instructions to add and pair the IBS-TH2 device. The sensor should appear in the app's device list.

4. **Placement:** Place the IBS-TH2 sensor in the desired monitoring location, such as a refrigerator, freezer, room, greenhouse, or wine cellar. Ensure it is within the Bluetooth range of your smartphone (up to 98 feet without obstacles).

Control From Your Phone

Bluetooth Connection
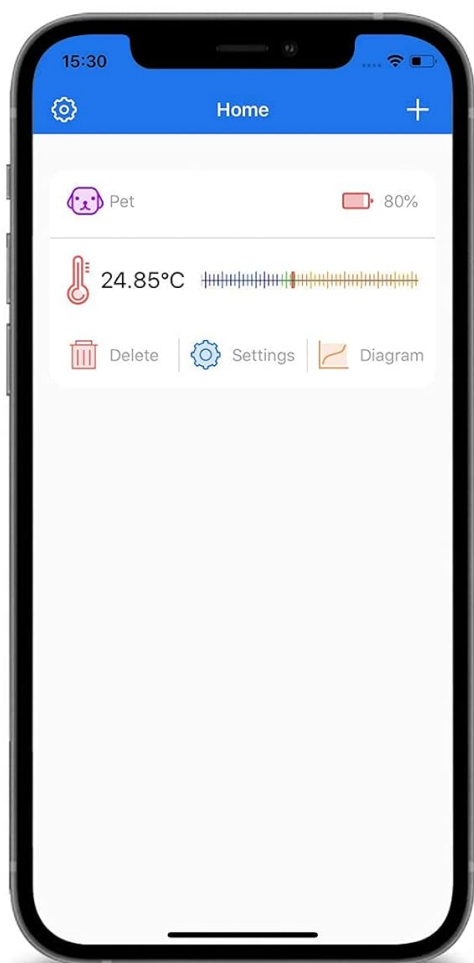
Range: 30 meters(98ft)

Image 3.2: Inkbird IBS-TH2 Bluetooth Temperature Sensor.

4. OPERATION

4.1. Inkbird IBS-P01R Wireless Pool Thermometer

- **Temperature Display:** The receiver will display the current water temperature measured by the floating sensor. The display typically shows temperature in both Fahrenheit and Celsius.

- **Wireless Range:** The system offers a wireless connection range of up to 300 feet (91 meters) in open areas, allowing you to monitor water temperature from indoors.

- **Waterproof Design:** The floating sensor is IPX7 waterproof, making it suitable for continuous immersion in water.
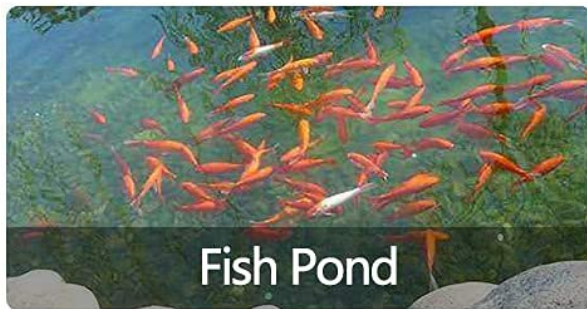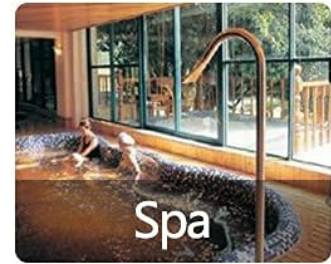
Image 4.1: Applications for the IBS-P01R Pool Thermometer.

4.2. Inkbird IBS-TH2 Bluetooth Temperature Sensor

- **App Monitoring:** Once connected via Bluetooth, open the Inkbird app to view real-time temperature readings.

- **Data Logging:** The IBS-TH2 has a built-in memory that stores up to 30,000 data points, allowing for historical temperature tracking.

- **Advanced App Features:** The app supports features such as:

  - **Temperature Graph:** Visualize temperature trends over time.
  - **Accuracy Calibration:** Adjust the sensor's readings for precise measurements.
  - **High/Low-Temperature Alarms:** Set custom temperature thresholds to receive notifications if readings fall outside the desired range.
  - **Data Export:** Export historical data for analysis.
  - **Sampling Interval:** Adjust how frequently the sensor records data.

- **Bluetooth Range:** The sensor maintains a Bluetooth connection up to 98 feet (30 meters) without obstacles.

- **IPX4 Waterproof:** The IBS-TH2 is IPX4 splash-proof, making it suitable for use in environments like refrigerators.

Image 4.2: IBS-TH2 in a refrigerator, highlighting IPX4 waterproof rating.

Image 4.3: Applications for the IBS-TH2 Bluetooth Temperature Sensor.

5. MAINTENANCE

5.1. Cleaning

- **IBS-P01R Floating Sensor:** The manufacturer recommends hand washing only. Use a soft cloth and mild soap with water to clean the exterior. Avoid abrasive cleaners or harsh chemicals.

- **IBS-P01R Receiver & IBS-TH2 Sensor:** Wipe the exterior with a soft, damp cloth. Do not immerse these units in water.

5.2. Battery Replacement

When the battery indicator on the receiver (for IBS-P01R) or in the app (for IBS-TH2) shows low power, replace the batteries promptly. Refer to the setup section for battery type and insertion instructions.

5.3. Storage

If the devices will not be used for an extended period, remove the batteries to prevent leakage and store the units in a cool, dry place away from direct sunlight.

6. TROUBLESHOOTING

Issue	Possible Cause	Solution
No temperature reading on IBS-P01R receiver.	Batteries low or dead; sensor/receiver out of range; pairing issue.	Replace batteries in both units. Move receiver closer to the sensor. Power cycle both units to re-establish connection.
IBS-TH2 not connecting to app.	Bluetooth off on phone; sensor batteries low; sensor out of range; app issue.	Ensure phone's Bluetooth is enabled. Replace sensor batteries. Move phone closer to sensor. Restart the app or phone. Re-pair the device in the app.
Inaccurate temperature readings.	Improper sensor placement; need for calibration (IBS-TH2).	Ensure sensors are placed correctly and not exposed to direct heat/cold sources. For IBS-TH2, use the app's calibration feature if necessary.
Short wireless/Bluetooth range.	Obstructions (walls, metal); interference from other devices.	Reduce obstructions between units. Move units away from other electronic devices that may cause interference.

7. SPECIFICATIONS

Feature	IBS-P01R Wireless Pool Thermometer	IBS-TH2 Bluetooth Temperature Sensor
Brand	Inkbird	
Model Name	IBS-P01R	IBS-TH2
Connectivity	Wireless (300ft / 91m range)	Bluetooth (98ft / 30m range)
Temperature Range	-40°C to 70°C (-40°F to 158°F)	-40°C to 60°C (-40°F to 140°F)
Temperature Accuracy	Not specified	±0.5°C / ±0.9°F
Waterproof Rating	IPX7	IPX4
Power Source	Battery Powered	2 x AAA Batteries (not included)
Display Type	Digital (on receiver)	Digital (via app)
Special Feature	Wireless Remote Monitoring	App Control, Data Logging (30,000 points), Alarms, Calibration
Material	Plastic	

14 cm

8 cm

CH1
82.9 °F

INKBIRD

Weight: 130g

Image 7.1: Inkbird IBS-P01R Dimensions.

Real-Time Monitor&Accurate

Temperature Measurement Range: -40℃~60℃/-40℉~140℉
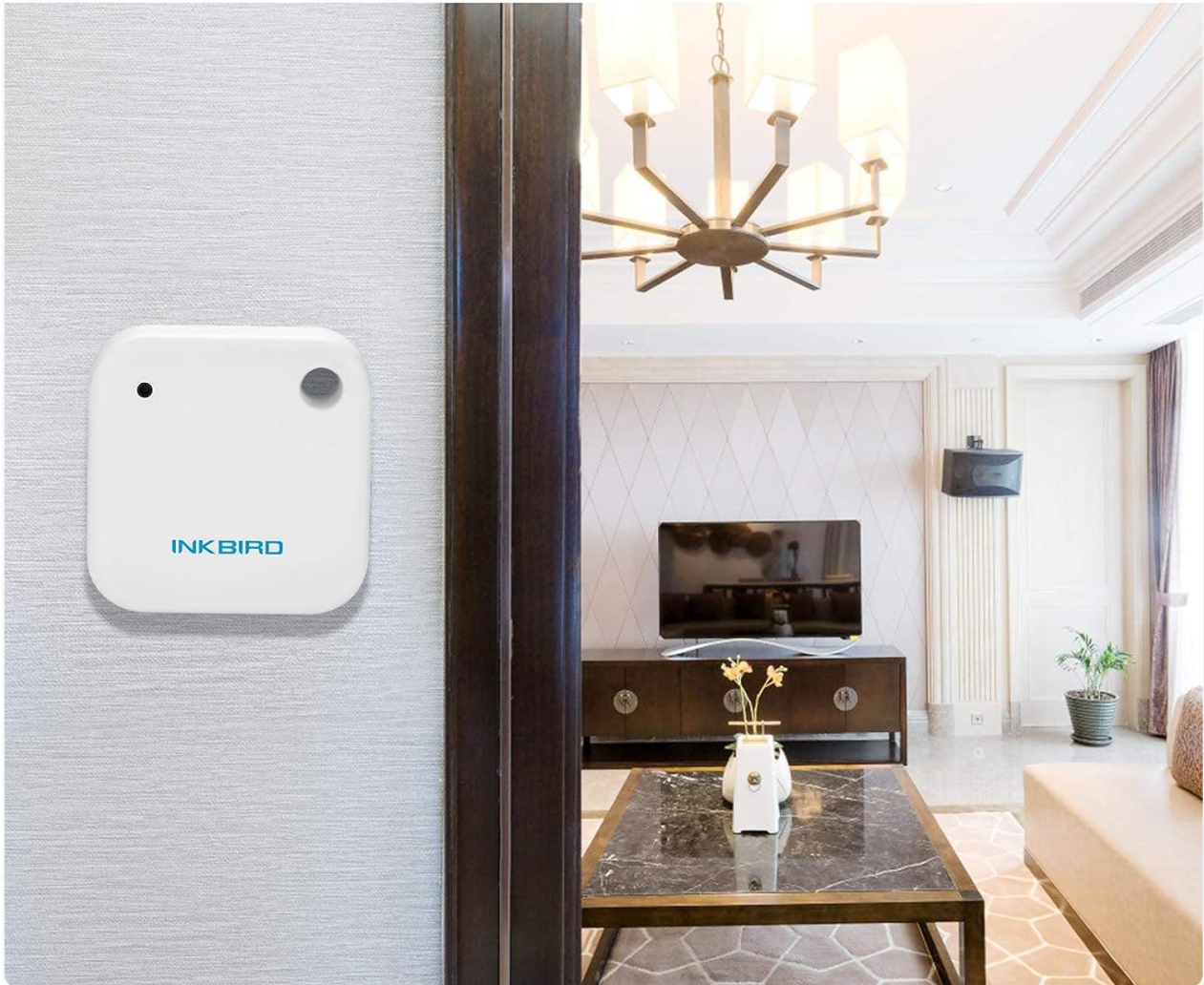Temperature Accuracy: ±0.5℃/±0.9℉

Image 7.2: IBS-TH2 Real-Time Monitor & Accuracy.

8. WARRANTY & SUPPORT

8.1. Warranty Information

Inkbird products typically come with a standard manufacturer's warranty. Please refer to the warranty card included with your product or visit the official Inkbird website for specific warranty terms and conditions applicable to the IBS-P01R and IBS-TH2 models.

8.2. Customer Support

For technical assistance, troubleshooting not covered in this manual, or warranty claims, please contact Inkbird customer support through their official website or the contact information provided in your product packaging. Ensure you have your product model numbers (IBS-P01R, IBS-TH2) and purchase details ready when contacting support.