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Inkbird ITH-11-B

INKBIRD ITH-11-B Bluetooth Thermometer Hygrometer User Manual

Model: ITH-11-B

1. INTRODUCTION

The INKBIRD ITH-11-B is a smart Bluetooth thermometer and hygrometer designed for accurate monitoring of temperature and humidity. Featuring IP65 waterproof protection, Bluetooth 5.0 connectivity, and data logging capabilities, this device is suitable for various indoor and outdoor environments such as homes, greenhouses, refrigerators, and reptile terrariums. This manual provides essential information for setting up, operating, and maintaining your device.

2. PRODUCT OVERVIEW

The ITH-11-B utilizes an advanced Swiss Sensirion sensor for high accuracy. It connects to your smartphone via Bluetooth, allowing you to view real-time data, historical graphs, and set alarms. The device is compact, lightweight, and designed for long-term use with extended battery life.



Image: The INKBIRD ITH-11-B device shown alongside a smartphone displaying its application interface with temperature and humidity readings.

3. PACKAGE CONTENTS

- 1 x INKBIRD ITH-11-B Bluetooth Thermometer Hygrometer
- 2 x AAA batteries
- 1 x User Manual (this document)

4. SPECIFICATIONS

Model Name	ITH-11-B
Temperature Range	-40°C to 60°C (-40°F to 140°F)
Temperature Accuracy	±0.2°C (±0.36°F)
Humidity Range	0% RH to 99% RH
Humidity Accuracy	±2% RH
Connectivity	Bluetooth 5.0
Bluetooth Range	Up to 80 meters (260 feet) unobstructed
Waterproof Rating	IP65
Data Storage	Up to 300 days offline, 2 years historical data export
Battery Life	Approximately 9 months (with 2 x AAA batteries)
Dimensions	7 x 5.7 x 2.9 cm (2.76 x 2.24 x 1.14 inches)
Weight	60 g (2.12 oz)
Material	Acrylonitrile Butadiene Styrene (ABS)

Swiss High Precision Sensor



Image: Internal view of the ITH-11-B, illustrating the Swiss high precision sensor and battery placement.

5. SETUP

5.1 Battery Installation

1. Gently open the back cover of the device.
2. Insert the two AAA batteries, ensuring correct polarity (+/-).
3. Close the back cover securely.

5.2 App Download and Pairing

1. Download the "Inkbird" app from your smartphone's app store (iOS or Android).
2. Enable Bluetooth on your smartphone.
3. Open the Inkbird app and follow the on-screen instructions to add a new device. The app will automatically detect the ITH-11-B.
4. Confirm pairing within the app.

5.3 Device Placement

Place the ITH-11-B in the desired location for monitoring. Ensure it is not directly exposed to extreme heat sources, direct sunlight, or strong drafts, which could affect accuracy. For outdoor use, place it under a protective

cover to minimize direct exposure to heavy rain, despite its IP65 rating.

Bluetooth 5.0 Remote Control

Bluetooth 5.0		Bluetooth 4.0	
	----- Faster Transmission Speed		Slower Transmission Speed
	----- More Stable Connection		Less Stable Connection
	----- Lower Power Consumption		Higher Power Consumption
	----- Better Compatibility		Bad Compatibility

Image: The ITH-11-B in an outdoor setting, illustrating its Bluetooth 5.0 connectivity range with the companion app.

6. OPERATING INSTRUCTIONS

6.1 Real-time Monitoring

Once connected, open the Inkbird app to view current temperature and humidity readings. The device samples data every 3 seconds for up-to-date information.

6.2 Data Logging and Export

- The device stores up to 300 days of offline data.
- Connect to the app to sync historical data.
- You can view data charts within the app, showing trends for temperature, humidity, VPD (Vapor Pressure Deficit), and dew point.
- The app supports exporting up to 2 years of historical data to your email for further analysis.



Up to **300 Days**
Offline Data Storage

*with variable data logging interval
and supports export of **2 years**
of historical data*



Image: The Inkbird app interface demonstrating data export functionality and historical data viewing.

6.3 Alarm Settings

Set custom high/low temperature and humidity alarms within the Inkbird app. You will receive notifications on your smartphone if readings exceed or fall below your set thresholds. A low battery alarm is also available.



Image: The Inkbird app showing an active high humidity alarm, indicating the device's alert capabilities.

6.4 VPD and Dew Point Readings

The app provides calculated VPD and dew point readings, which are particularly useful for specific applications like greenhouse management to optimize plant growth conditions.

7. MAINTENANCE

7.1 Battery Replacement

When the battery level is low (indicated by an app notification), replace the two AAA batteries following the instructions in Section 5.1. Expected battery life is approximately 9 months.

Lasts 9+ Months

*with the included
2 AAA batteries
(1200mAh)*

Note:

*Battery life results are based on
experimentation with the officially supplied
high-capacity batteries.*

Image: The ITH-11-B with its battery compartment open, showing the two AAA batteries.

7.2 Cleaning

Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or immerse the device in water, despite its IP65 rating, to prevent damage to internal components.

7.3 Waterproof Rating

The ITH-11-B has an IP65 waterproof rating, meaning it is protected against dust ingress and low-pressure water jets from any direction. This makes it suitable for use in environments where it might encounter splashes or light rain. However, it is not designed for submersion in water.

IP65 Waterproof Structure

Fearless to water splash and dust



Image: The ITH-11-B with water droplets, demonstrating its IP65 waterproof and dustproof design.

8. TROUBLESHOOTING

- **Device not connecting to app:**

Ensure Bluetooth is enabled on your smartphone. Check if the device batteries are installed correctly and have sufficient charge. Try restarting the app and your phone's Bluetooth. Ensure you are within the Bluetooth range (up to 80 meters unobstructed).

- **Inaccurate readings:**

Allow the device sufficient time (e.g., 30 minutes) to stabilize in a new environment. Ensure the device is not placed near heat sources, direct sunlight, or in areas with extreme airflow. Compare readings with another calibrated device if available.

- **Data not updating:**

Ensure the device is within Bluetooth range of your smartphone for data synchronization. Offline data is stored on the device and will sync when a connection is re-established.

- **Short battery life:**

Ensure you are using fresh, high-quality AAA batteries. Battery life can vary based on usage and environmental conditions.

9. WARRANTY AND SUPPORT

Inkbird products typically come with a standard warranty. For specific warranty details, please refer to the warranty card included with your product or visit the official Inkbird website. For technical support, troubleshooting assistance, or any inquiries regarding your INKBIRD ITH-11-B, please contact Inkbird customer service:

- **Manufacturer:** Inkbird
- **Contact Information:** SHENZHENSHI LERWAY TECHNOLOGY CO., LTD China, Guangdong, Shenzhen, Luohu District, Peng Ji Industrial Zone, Building 713, 2nd West Floor. Phone: +860755-22743212
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