INKBIRD

ITH-11-B

Smart Thermo-Hygrometer

IP65 Waterproof Bluetooth Smart Indoor/Outdoor Thermo-Hygrometer

Warm tips

- To quickly jump to a specific chapter page, click on the relevant text on the contents page.
- You can also use the thumbnail or document outline in the top left corner to quickly find a specific page.

CONTENTS

01 Overview 01

02 Preparation Before Using 02

03 Product Introduction 04

04 Product Specifications 05

05 APP Installation & Connection .. 07

06 APP Function 10

07 Connect the Gateway 11

08 Precautions 13

09 Troubleshooting 14

10 FCC Requirement 16

11 IC Warning 19

12 Customer Service 23

Please keep this manual properly for reference. You can also scan the QR code below to visit our official website for product usage videos. For any usage issues, please feel free to contact us at support@inkbird.com.

01 Overview

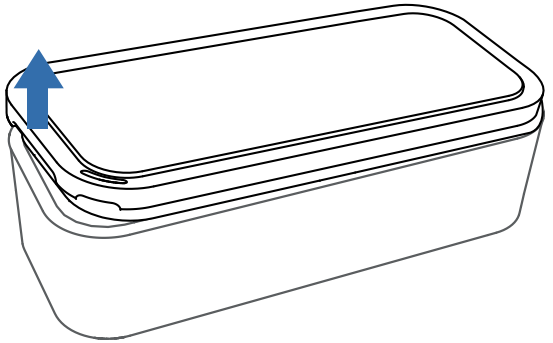
This product uses a high-precision Swiss-made sensor and has a long battery life of up to 9 months,making it suitable for environmental monitoring in refrigerators, baby rooms, wine cellars and more.
It is IP65 waterproof and dustproof, allowing it to operate safely on rainy days. Using Bluetooth transmission, it can synchronize data over a long distance of 80 meters and provide real-time feedback of temperature and humidity. The app also supports viewing of VPD and dew point data. This device can be used with the

INKBIRD IBS-M2S (BLE) WiFi Gateway (sold separately), which can connect up to 10 sensors to realize an intelligent alarm function and response to sudden changes in environmental parameters.

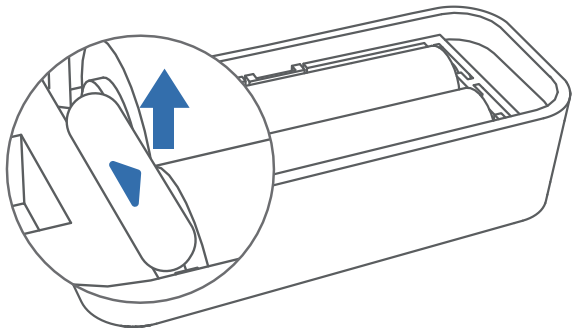
02 Preparation Before Using

Please open the back cover to remove the insulation strip and make sure the batteries are inserted correctly, as indicated by the "+" and "-" signs. Then replace the back cover.

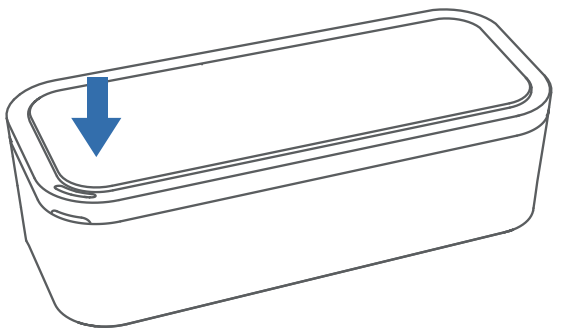
a



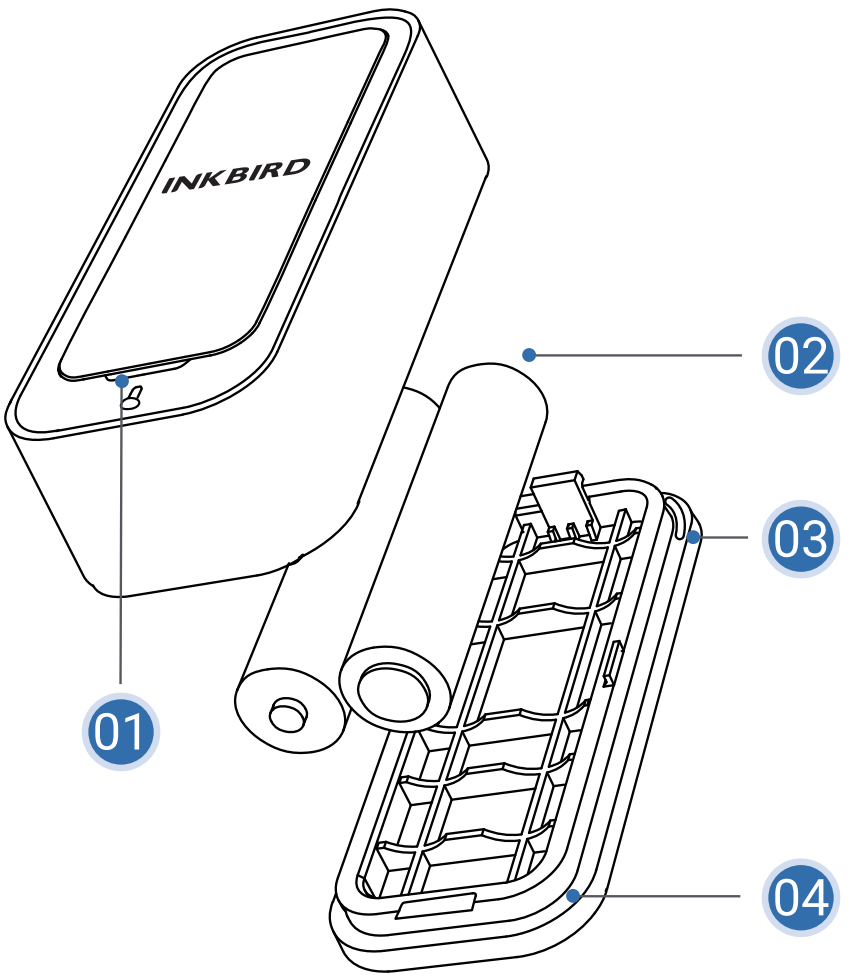
b



c



03 Product Introduction



01 Temperature and humidity sensor

02 AAA Battery × 2 （Pre-installed）

03 Lanyard hole

04 Back cover

04 Product Specifications

Product Name：
Smart Thermo-Hygrometer
Brand Model：
INKBIRD ITH-11-B
Power：
2*AAA/3.0V（batteries included）
Battery life：
9 months

Bluetooth-enabled distance:
80m/262ft（No obstacles）

Temperature measurement range	-40°C—60°C (-40°F—140°F)
Temperature meas -urement accuracy	±0.2℃ (±0.36°F)
Temperature display accuracy	0.1℃ (0.1°F)
Humidity measurement range	0-99%
Humidity mea -surement accuracy	±2%（non -condensing）
Humidity display accuracy	1%

05 APP Installation & Connection

Search the INKBIRD App from Google Play or App Store to get it for free, or you can scan the QR code below to download it directly.

Download on the App Store

GET IT ON Google Play

NOTE:

① Your iOS devices must be running iOS 12.0 or later to download the app smoothly.

② Your android devices must berunn -ing android 7.1 or later to download the app smoothly.

③ The device supports a 2.4GHz Wi-Fi router only（with IBS-M2S BLE WiFi gateway）.

④ APP Location Permission Requir -ement: We need to obtain your loca -tion information to discover and add nearby devices. INKBIRD promises to keep your location information strictly confidential. And your location

information will only be used for the location function of the App and will not be collected, used, or disclosed to any third party. Your privacy is very important to us. We will abide by relevant laws and regulations and take reasonable security measures to protect your information security

1)Registration

Step1: Registering an account is necessary before using the INKBIRD app for the first time.

Step2: Open the app, select your Country/Region, and a verifiction code will be sent to you.

Step3: Enter the verification code to confirm your identity, and the registration is complete

2)How to Connect

Open the INKBIRD app and Click “+” on the top right corner to add a device. Then, follow the app instructions to complete the Bluetooth connection. Make sure the device is placed as close as possible to the smartphone and router while connecting.

06 APP Function

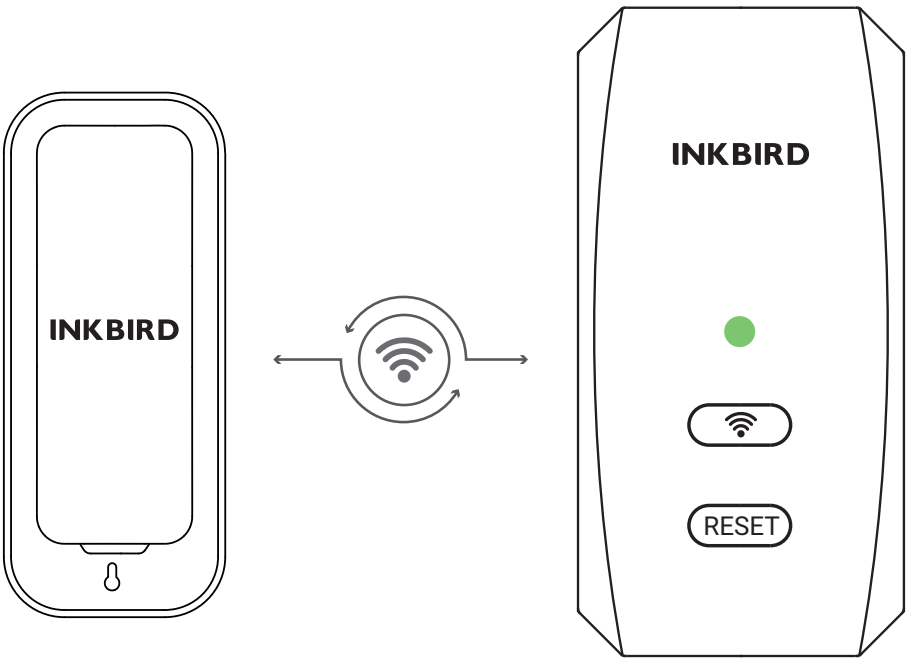
The INKBIRD app allows you to

view temperature, humidity, VPD and dew point data on your smart -phone, use the interactive historical data graph, export data, calibrate temperature and humidity, set alarms, view alarm records, connect the gateway, upgrade firmware and more.

07 Connect the Gateway

For more intelligent remote monitoring and alarm notifications, the unit can be connected to a WiFi gateway (IBS-M2S BLE).When you get a IBS-M2S BLE WiFi gateway,

you can select 'Connect the gateway' from the 'Set' page of the app and follow the instructions to complete the gateway connection.



08 Precautions

1)Please do not disassemble the product if you are not a professional.

2)Be sure that the sensor is not cov -ered with dust as dust may lead to inaccurate measurements.

3)Do not use alcohol to clean the sensor.

4)This product is only waterproof to IP65 (resistant to spraying water), do not immerse in water.

5)This product measures temperature from -40℃ to 60℃ (-40 ℉ to 140℉) and is not suitable for use in any environment outside this measurement range.

09 Troubleshooting

Fault Phenomenon	Possible Reason	Solution
Incorrect temperature and humidity	The air outlet is blocked.	Remove the blockage.
	Water has seeped into the air outlet of the unit.	Leave the product in a dry, well-ventilated place or wipe it dry with a piece of kitchen paper.
Cannot remotely view temperature or humidity data on the app	The device is not connected to the WiFi gateway.	Only when your ITH-11-B is connected to the INKBIRD M2S (BLE) gateway (sold separately) can you view the temperature or humidity data remotely.

Fault Phenomenon	Possible Reason	Solution
Incorrect temperature or humidity readings from the thermo-hygrometer	It may be affected by the harsh environment.	Open the INKBIRD app, enter the setting page, and calibrate the temperature and humidity readings.
Cannot connect Bluetooth	Make sure Bluetooth is enabled on your smartphone.	
	In the INBIRD app, click to search for nearby devices and add this device, rather than adding it from the Bluetooth device list	
	Please keep your smartphone within 80 meters (262 feet) of the product.	

Fault Phenomenon	Possible Reason	Solution
Cannot connect Bluetooth	Please keep your smartphone as close to the product as possible.	

10 FCC Requirement

Changes or modifications not exp -ressly approved by the party res -ponsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harm -ful interference, and

(2) this device must accept any interference received, including interference that may cause und -esired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio

communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.

– Increase the separation between the equipment and receiver.

– Connect the equipment into an outlet on a circuit different from that to which the receiver is

connected.

– Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

11 IC Warning

This device contains licence-exempt transmitter(s)/receiver(s) that

comply with Innovation, Science and Economic Development Canada’s licence-exempt RSS(s).

Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any in-terference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils

radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1)L'appareil ne doit pas produire de brouillage;

2)L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 andcompli-ance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 etla conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne surl'exposition et la conformité de rf.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en

même temps qu'aucune autre antenne ouémetteur.

Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

12 Customer Service

This item carries a 1-year warranty against defects in either components or workmanship. During this period, products that prove to be defective will, at the discretion of INKBIRD, be either repaired or replaced without charge.For any problems in use, please feel free to contact us at **support@inkbird.com.** We will do our best to help you.

Shenzhen Inkbird Technology Co.,Ltd.
support@inkbird.com

Consignor: Shenzhen Inkbird Technology Co., Ltd.
Office Address: Room 1803, Guowei Building, No.68 Guowei Road, Xianhu Community, Liantang, Luohu District, Shenzhen, China

Manufacturer: Shenzhen Inkbird Technology Co., Ltd.
Factory Address: 6th Floor, Building 713, Pengji Liantang Industrial Area, No.2 Pengxing Road, Luohu District, Shenzhen, China

001-A16261

V2.0