

ORIA WA44-OUS

ORIA Wireless Thermometer Hygrometer WA44-OUS Instruction Manual

Model: WA44-OUS

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1. INTRODUCTION

The ORIA Wireless Thermometer Hygrometer provides accurate, real-time monitoring of temperature and humidity. Featuring Bluetooth 5.0 connectivity, it allows you to track environmental conditions in your home, office, or other spaces via a dedicated mobile application. This device is designed for indoor use and offers data logging, smart alerts, and easy data export capabilities.

2. WHAT'S IN THE BOX

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

- 2 x ORIA Wireless Thermometer Hygrometer units
- 1 x User Manual



Image: Contents of the ORIA Wireless Thermometer Hygrometer package, showing two sensor units, the user manual, and a small tool.

3. PRODUCT OVERVIEW

The ORIA Wireless Thermometer Hygrometer is a compact device designed for precise environmental monitoring. It features a built-in MEMS sensor for high accuracy and connects wirelessly to your smartphone via Bluetooth 5.0.

Key Features:

- **High Accuracy Sensor:** Built-in MEMS sensor provides precise temperature and humidity readings. Temperature deviation: $\pm 0.5^{\circ}\text{C}$ ($\pm 1^{\circ}\text{F}$); Humidity deviation: $\pm 3\%\text{RH}$.
- **Bluetooth 5.0 Connectivity:** Ensures stable connection up to 20m (65.6ft) without obstacles.
- **Wireless APP Control & Smart Alert:** Monitor data and set custom alert ranges via the mobile application.
- **Data Storage & Export:** Stores up to 100 days of data internally, updated every 10 minutes, and supports CSV export.
- **Compact Design:** Small size (1.3 x 1.3 x 0.47 inches) with a hanging hole for versatile placement.

High-precision Sensor for Accurate Measurement



Up to 1S response



Temp range: (-20~65°C-4~150°F)
Temp accuracy: $\pm 0.5^{\circ}\text{C}$ ($\pm 1^{\circ}\text{F}$)



Humidity range: 0~100%RH
Humidity accuracy: $\pm 5\%\text{RH}$

Image: The ORIA sensor in a wine cellar setting, illustrating its high-precision capabilities with temperature range (-20~65°C / -4~150°F) and humidity range (0~100%RH) details.

HOW TO CONNECT VIA BLUETOOTH?

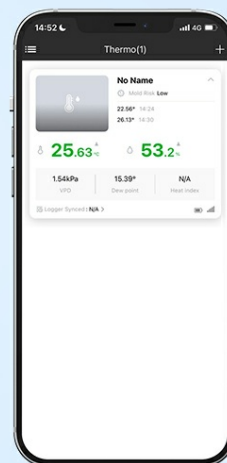
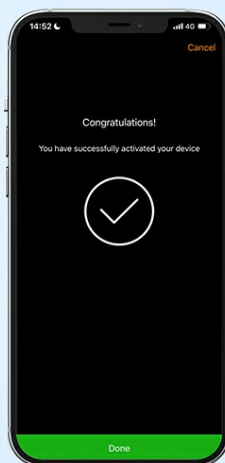
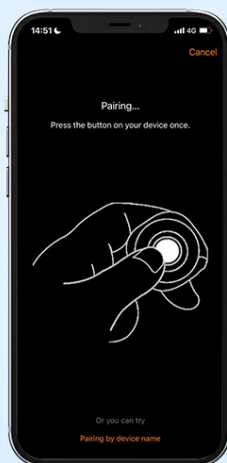
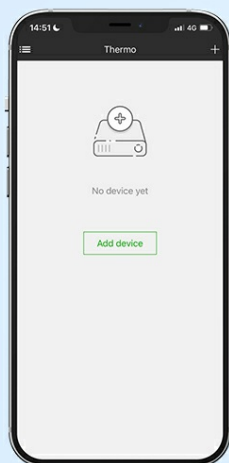


Image: An exploded diagram of the sensor, revealing its internal components including the MEMS sensor and the CR2032 battery.

4. SETUP

Follow these steps to set up your ORIA Wireless Thermometer Hygrometer:

4.1. Download the SensorBlue App

Scan the QR code provided in the manual or on the product packaging, or search for "SensorBlue" in your device's app store. The app is compatible with Android 4.3 or above and iPhone 4s or above.

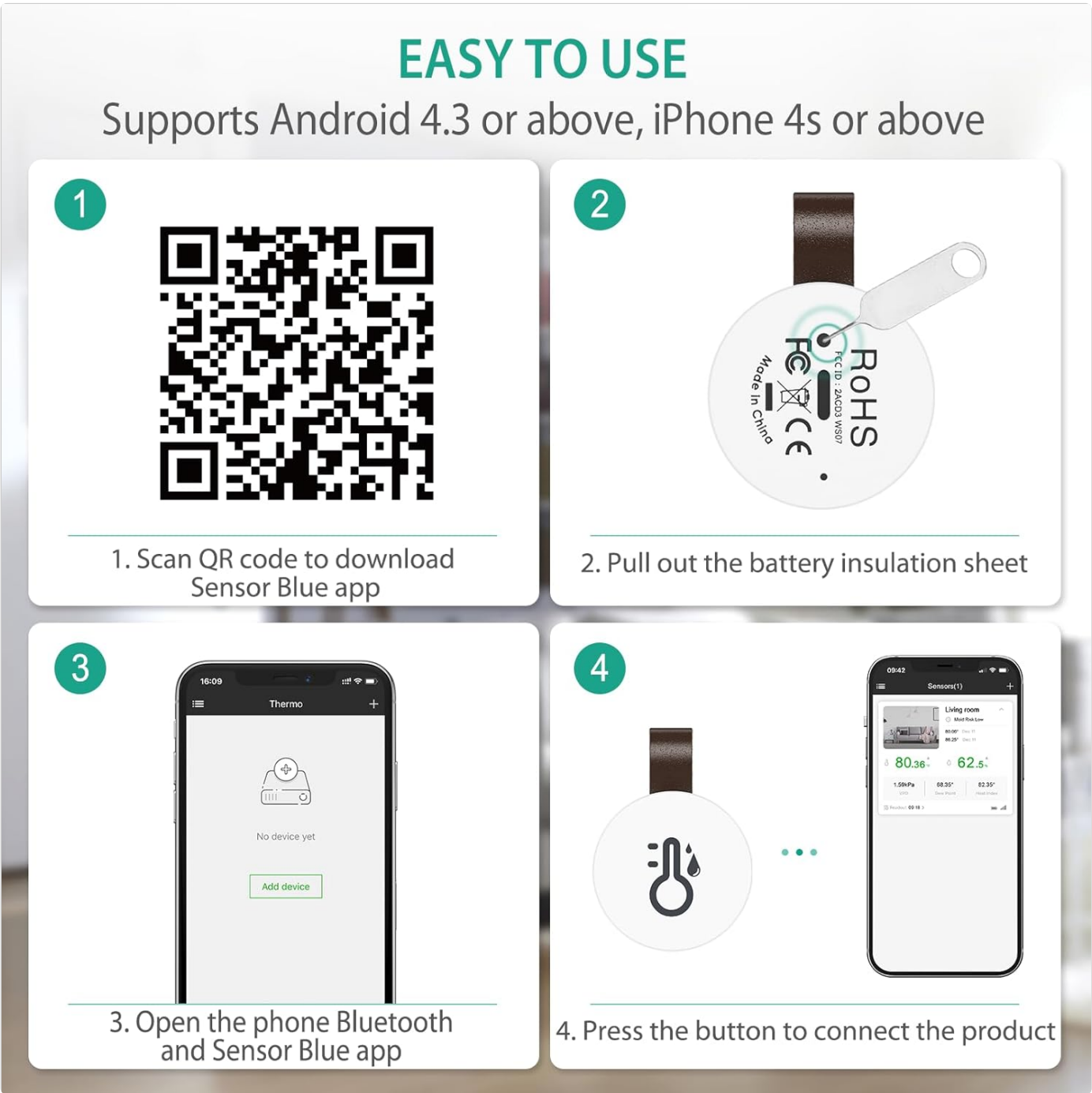


Image: A visual guide showing the four easy steps to set up the device: 1. Scan QR code to download the SensorBlue app (link to [SensorBlue App on Apple App Store](#)), 2. Pull out the battery insulation sheet, 3. Open the phone's Bluetooth and SensorBlue app, 4. Press the button to connect the product.

4.2. Activate the Device

1. Locate the battery compartment on the back of the sensor.
2. Gently pull out the plastic insulation sheet to activate the battery.

4.3. Connect via Bluetooth

1. Ensure Bluetooth is enabled on your smartphone.
2. Open the SensorBlue application.
3. In the app, tap "Add device" or the '+' icon.
4. Press the button on your ORIA sensor once to initiate pairing. The app should detect the device.
5. Once detected, follow the on-screen prompts to complete the connection.



Image: A four-panel image demonstrating the Bluetooth connection process: 1. App showing 'No device yet', 2. Pairing screen prompting to press the device button, 3. 'Congratulations! You have successfully activated your device' message, 4. App displaying connected device with temperature and humidity readings.

4.4. Name Your Sensor

After successful pairing, you can name your sensor within the app (e.g., "Living Room," "Bedroom," "Greenhouse") for easy identification, especially if you have multiple units.

Your browser does not support the video tag.

Video: An official product video demonstrating the easy setup and naming process of the ORIA Mini Bluetooth Thermometer Sensor, including setting temperature and humidity alerts.

5. OPERATING INSTRUCTIONS

Once your ORIA sensor is set up, you can begin monitoring and managing your environment.

5.1. Real-time Monitoring

Open the SensorBlue app on your smartphone. The app will automatically connect to your sensor(s) within Bluetooth range and display real-time temperature and humidity readings. Data is updated automatically once per second.

Connect with Free APP via Bluetooth 5.0

50M/164ft without obstructions



Image: The SensorBlue app showing current temperature and humidity, along with a historical trend graph, connected via Bluetooth 5.0.

5.2. Setting Smart Alerts

You can set custom temperature and humidity ranges within the SensorBlue app. If the readings go beyond your preset range, the app will display a red indicator, and for some models, the device itself may emit a buzzer alert.

1. In the app, select the desired sensor.
2. Navigate to the settings or alert section for that sensor.
3. Set your desired highest and lowest temperature and humidity thresholds.
4. Confirm your settings.

5.3. Data Storage and Export

The sensor stores data internally every 10 minutes, accumulating up to 100 days of historical data. To ensure continuous data logging, make sure your phone connects to the device at least once per day to sync the data.

You can view historical data trends directly in the app. The app also allows you to export this data in CSV format, which

can then be sent to your email or other applications for further analysis.

Save Data Every 10 Minutes, Support up to 100 Days of Data Storage

Data storage and export



15:20

SENSOR BLUE

Temperature Alarm

Temperature is out of range: wa62 30.0°C

Temperature

30.38°

25.19°

Temperature Trend

00:16

22:28

20:40

18:52

17:04

15:16

Nov.01

Nov.02

Nov.04

Nov.06

Nov.08

Nov.10

15:20

SENSOR BLUE

Temperature Alarm

Temperature is out of range: wa62 30.0°C

Temperature

72.2%

30.6%

Humidity Trend

00:16

22:28

20:40

18:52

17:04

15:16

Nov.01

Nov.02

Nov.04

Nov.06

Nov.08

Nov.10

20

SENSOR BLUE

Temperature Alarm

Temperature is out of range

Temperature

°C °F



Image: The SensorBlue app showing temperature and humidity trend graphs, with icons indicating data storage and export functionality. The image also shows an alert for temperature being out of range.

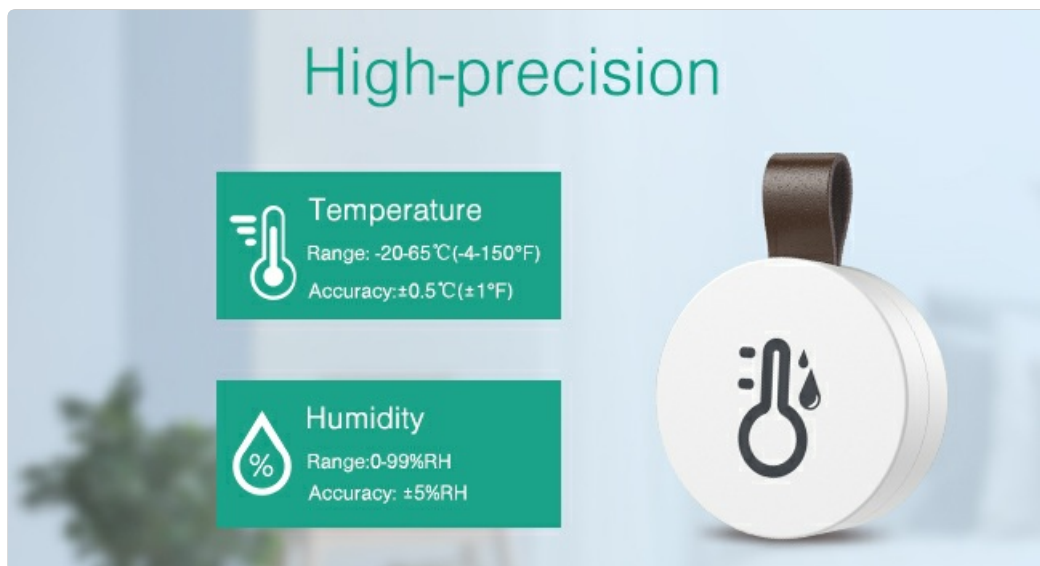


Image: The SensorBlue app interface demonstrating the ability to record temperature and humidity data every 10 minutes and export it in CSV format.

6. MAINTENANCE

6.1. Battery Replacement

The ORIA Wireless Thermometer Hygrometer uses a CR2477 button cell battery, which typically lasts for approximately 1 year. When the battery is low, the app may indicate a low battery status.

1. Gently open the back cover of the sensor.
2. Remove the old CR2477 battery.
3. Insert a new CR2477 battery with the positive (+) side facing up.
4. Close the back cover securely.

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Video: An official product video demonstrating the removable battery replacement process for the ORIA Mini Bluetooth Thermometer Sensor, highlighting the CR2477 battery type and 1-year battery life.

6.2. Cleaning Instructions

To clean the device, simply wipe it with a clean, dry cloth. Do not use liquid cleaners or immerse the device in water.

6.3. Usage Environment

This device is designed for indoor use. It is not a refrigerator thermometer; please do not place it inside a refrigerator or freezer, as extreme cold can affect its performance and battery life. The optimal operating temperature range is -20°C to 60°C (-4°F to 140°F).

7. TROUBLESHOOTING

If you encounter issues with your ORIA Wireless Thermometer Hygrometer, please refer to the following common solutions:

- **Device not connecting to app:**
 - Ensure Bluetooth is enabled on your smartphone.
 - Make sure the sensor is within the 20m (65.6ft) Bluetooth range without significant obstructions.

- Check if the battery insulation sheet has been removed and the battery is properly inserted.
- Press the button on the sensor once to initiate pairing.
- Restart the SensorBlue app and try again.

- **Inaccurate readings:**

- Ensure the device is placed in a stable environment, away from direct sunlight, heat sources, or strong drafts.
- Allow the device some time (e.g., 15-30 minutes) to stabilize after placement or battery replacement.
- Compare readings with another calibrated thermometer/hygrometer. If a consistent offset is observed, some apps may offer a calibration feature.

- **Data not updating or missing:**

- Ensure your phone connects to the sensor via Bluetooth at least once every 24 hours to sync stored data.
- Check the battery level in the app; a low battery can affect data transmission and storage.

- **Short battery life:**

- Ensure you are using a fresh, high-quality CR2477 battery.
- Extreme temperatures (especially cold) can reduce battery life.

8. SPECIFICATIONS

Feature	Detail
Brand	ORIA
Model Name	WA44-OUS
ASIN	B08CVCMVFT
Connectivity Technology	Bluetooth 5.0
Temperature Range	-20°C to 60°C (-4°F to 140°F)
Temperature Accuracy	+/-0.5°C (+/-1°F)
Humidity Range	0-99%RH
Humidity Accuracy	+/-3%RH
Response Time	500 Milliseconds
Data Storage	Up to 100 days (recorded every 10 minutes)
Wireless Distance	Up to 20m (65.6ft) without obstacles
Power Source	Battery Powered
Battery Type	CR2477
Battery Life	Approx. 1 Year
Dimensions	1.3 x 1.3 x 0.47 inches

Feature	Detail
Outer Material	Acrylonitrile Butadiene Styrene
Indoor/Outdoor Usage	Indoor
Display Type	Digital (via App)

9. WARRANTY & SUPPORT

ORIA is committed to providing high-quality products and excellent customer service. Your ORIA Wireless Thermometer Hygrometer comes with the following:

- **1-Year Warranty:** Covers manufacturing defects and malfunctions under normal use.
- **90-Day Free Replacements:** For any issues within the first 90 days of purchase.
- **30-Day Free Returns:** If you are not satisfied with your purchase.
- **24/7 Customer Support:** Assistance available around the clock for your queries.
- **Lifetime Technical Support:** Ongoing technical assistance for the lifespan of your product.

For warranty claims, technical assistance, or any other support needs, please contact ORIA customer service through the contact information provided on your purchase platform or the official ORIA website.



Image: A visual summary of ORIA's customer support and warranty policies.

