

ORIA WA64

ORIA Bluetooth Hygrometer Thermometer WA64 User Manual

Model: WA64

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1. PRODUCT OVERVIEW

The ORIA Bluetooth Hygrometer Thermometer (Model WA64) is a compact, wireless device designed for real-time monitoring of temperature and humidity. Equipped with a high-precision MEMS sensor and Bluetooth 5.0 connectivity, it provides accurate environmental data that can be accessed and managed via a dedicated smartphone application. This device is suitable for various indoor environments, including living rooms, baby rooms, bedrooms, greenhouses, wine cellars, and offices, helping users maintain optimal conditions.

2. KEY FEATURES

- **High-Precision Sensor:** Integrated upgraded MEMS sensor refreshes once per second for timely and accurate data.
- **Bluetooth 5.0 Connectivity:** Provides real-time wireless monitoring for temperature (-20-60 °C) and humidity (0-100 % RH) with a connection distance of up to 50m (164 feet) in open areas.
- **Wireless App Control:** Uploads data to the app via Bluetooth, allowing users to check maximum and minimum temperature and humidity values. Supports connecting up to 100 sensors simultaneously on Android 4.3 or above.
- **Smart Alert Reminder:** The app notifies users with red data and mobile notifications when temperature and humidity exceed preset values. Ideal for monitoring homes, pets, refrigerators, freezers, wine cellars, and greenhouses.
- **Data Storage & Export:** Records data every 10 minutes in the app, storing up to 100 days of historical data. Data can be downloaded in CSV format for free after account registration.
- **Mini and Portable Design:** Compact sensor with an integrated CR2477 battery and a hanging hole for flexible placement.



Image: The ORIA Bluetooth Hygrometer Thermometer, showcasing its compact design and key features such as temperature and humidity monitoring, 1-second refresh rate, Celsius/Fahrenheit switch, app monitoring, and CR2477 battery.

3. SETUP GUIDE

Follow these simple steps to set up your ORIA Bluetooth Hygrometer Thermometer:

1. **Download the App:** Scan the QR code provided in the manual or on the product packaging to download the "Sensor Blue" app from the App Store or Google Play.
2. **Activate the Device:** Gently pull out the battery insulation sheet from the device. This activates the CR2477 battery.
3. **Enable Bluetooth:** Ensure Bluetooth is enabled on your smartphone.
4. **Connect to App:** Open the "Sensor Blue" app. Press the button on the center of the device once to initiate pairing. The app should detect and connect to the product.

Supports Android 4.3 or above, iPhone 4s or above

1



Scan QR code to download
Sensor Blue app

2



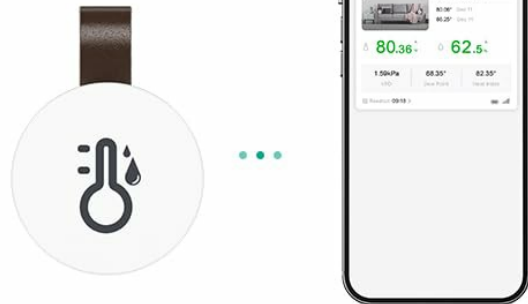
Pull out the battery insulation
sheet

3



Open the phone Bluetooth and
Sensor Blue app

4



Press the button to connect
the product

Image: An infographic detailing the four easy steps to connect the ORIA Bluetooth Thermometer: scan QR code for app, pull out battery insulation, turn on Bluetooth and app, then press the device button to connect.

Video: A demonstration of the easy setup process for the ORIA Mini Bluetooth Humidity Thermometer, showing how to download the app, activate the device by removing the battery insulation, and connect via Bluetooth.

4. OPERATING INSTRUCTIONS

4.1 Real-time Monitoring

Once connected, the Sensor Blue app will display real-time temperature and humidity readings. The data refreshes every second, providing up-to-date information about your environment.

Connect with Free APP via Bluetooth 5.0

50M/164ft without obstructions

The smartphone screen displays the following data:

- Temperature: 83.07° MAX
- Humidity: 78.24° MIN
- Temperature Trend: A line graph showing temperature fluctuations over time, with a y-axis ranging from 77° to 88°.
- Time and Date: 21:33 Oct. 23, 05:05 Oct. 24, 12:37 Oct. 24, 20:09 Oct. 24, 03:41 Oct. 25, 11:13 Oct. 25.
- Bar Chart: A bar chart showing data points from Oct. 21 to Oct. 25.

Image: A smartphone screen showing the Sensor Blue app interface with real-time temperature and humidity readings, indicating the device's ability to monitor environmental conditions.

4.2 Customizing Sensor Settings

- **Naming Your Sensor:** In the app, you can assign a custom name to each sensor (e.g., "Living Room," "Baby Room," "Greenhouse") for easy identification, especially if you have multiple devices.
- **Setting Alerts:** Configure custom high and low temperature/humidity thresholds. If readings exceed these preset values, the app will display red data and send a notification to your phone.
- **Temperature Unit Switch:** Switch between Celsius (°C) and Fahrenheit (°F) directly within the app.

4.3 Data Logging and Export

The device automatically records data every 10 minutes and stores up to 100 days of historical data within the app. To ensure continuous data logging, keep your smartphone within Bluetooth range of the device at least once a day to sync the data.

- **Viewing Historical Data:** Access graphs and charts within the app to visualize temperature and humidity trends over time.
- **Exporting Data:** You can export the stored data in CSV format for further analysis. This feature is available for free after registering your account in the app.



Temperature



Humidity



1s Refresh



°C/°F
Switch



App
Monitor



CR2477
Battery



Image: The Sensor Blue app interface displaying historical temperature and humidity trends, along with options for data export, demonstrating the device's data logging capabilities.

5. MAINTENANCE

5.1 Cleaning

To maintain optimal performance, clean the device regularly. Use a soft, dry cloth to wipe the exterior. Do not use

abrasive cleaners or immerse the device in water.

5.2 Battery Replacement

The ORIA Bluetooth Hygrometer Thermometer uses a CR2477 lithium metal battery, which typically lasts for approximately one year. When the battery needs replacement:

1. Carefully open the device casing.
2. Remove the old CR2477 battery.
3. Insert a new CR2477 battery, ensuring correct polarity.
4. Close the device casing securely.

Accurate MEMS Sensor



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: $\pm 5\%$ RH



Image: An exploded view of the ORIA Bluetooth Thermometer, illustrating the internal components and the CR2477 battery compartment for easy replacement.

6. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem | Possible Cause | Solution |
|-----------------------------------|---|--|
| Device not connecting to app | Bluetooth is off; device battery is low/dead; device not activated; too far from phone. | Ensure Bluetooth is on. Check battery insulation sheet is removed. Replace battery if needed. Move phone closer to the device (within 50m/164ft in open areas, less indoors). Press the device button to initiate pairing. |
| Data not updating or showing gaps | Phone not within Bluetooth range for data sync; app not running in background. | Ensure your phone is within Bluetooth range of the device at least once a day to sync recorded data. Keep the app running in the background or open it periodically. |
| Slow data download/sync | Large amount of historical data to sync; Bluetooth interference. | Connect to the device more frequently to avoid large data backlogs. Minimize other Bluetooth devices nearby. Ensure a clear line of sight between the device and your phone. |
| Inaccurate readings | Sensor obstruction; device placed in extreme conditions; calibration needed. | Ensure the sensor is not covered. Avoid placing the device in direct sunlight, near heat sources, or in areas with rapid temperature/humidity changes. Use the app's calibration feature if you have a reference thermometer/hygrometer. |

7. PRODUCT SPECIFICATIONS

Brand: ORIA

Model Number: WA64

ASIN: B08238DFWL

Product Dimensions (L x W x H): 3.3 x 3.3 x 1.19 cm

Item Weight: 30 Grams

Color: White

Outer Material: Plastic

Power Source: Battery powered

Battery Type: 1 Lithium metal (CR2477) - included

Connectivity Technology: Bluetooth 5.0

Display Type: Digital

Special Feature: High precision

Temperature Range: -20 to 60 °C (-4 to 140 °F)

Humidity Range: 0 to 100 % RH

Temperature Resolution: 0.1 degree Celsius

Response Time: 10 seconds

Data Storage: Up to 100 days (recorded every 10 minutes)

Usage: Indoor

Compliant Specifications: CE

Country of Origin: China

Care Instructions: Clean with a soft, dry cloth.

8. WARRANTY AND SUPPORT

ORIA is committed to providing excellent customer service and product quality. Your ORIA Bluetooth Hygrometer Thermometer comes with the following:

- **30-Day Refund/Return Policy:** Enjoy a 30-day no-reason refund or return period.
- **1-Year Warranty:** The product is covered by a 1-year warranty, including replacement within 365 days for manufacturing defects.
- **Lifetime After-Sales Service:** ORIA provides dedicated after-sales support for every customer.
- **24-Hour Response:** Expect quick responses and timely resolution to any issues you may encounter.

For any inquiries, technical support, or warranty claims, please contact ORIA customer service through the contact information provided with your purchase or on the official ORIA website.



Image: ORIA's commitment to customer service, highlighting 24-hour response, 30-day returns, 365-day warranty, and lifetime after-sales support.

