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› [BRESSER](#) /

› Bresser Quadro NV Thermo-Hygrometer User Manual

BRESSER 14843

Bresser Quadro NV Thermo-Hygrometer

USER MANUAL

1. Introduction

The BRESSER Quadro NV Thermo-Hygrometer is designed to provide accurate temperature and humidity readings from multiple locations. With an integrated sensor in the main unit and three wireless sensors, you can monitor up to four different areas simultaneously, ensuring optimal indoor climate conditions. This manual provides detailed instructions for setting up, operating, and maintaining your device.



Figure 1: The Bresser Quadro NV Thermo-Hygrometer system, showing the main display unit and three compact wireless sensors.

2. Package Contents

Please check the package contents upon unboxing to ensure all components are present:

- 1x BRESSER Quadro NV Base Station
- 3x Wireless Thermo-Hygro Sensors
- 1x User Manual

Note: 2x AAA batteries for the base station and 2x AAA batteries for each wireless sensor (total 8x AAA batteries) are **not included** and must be purchased separately.

3. Features

Base Station Features:

- Integrated thermometer and hygrometer for local measurements.
- Display of measurement data from up to 3 wireless thermo-hygro sensors.
- Temperature display with trend indicator in °C/°F.
- Humidity display in %.
- Comfort indicator for indoor climate (smiley symbol).
- Min/Max memory for temperature and humidity values.
- Maximum/Minimum value alarm for temperature and humidity.
- Battery powered (2x AAA, not included).

Wireless Sensor Features:

- Measures temperature and humidity (suitable for indoor or outdoor use).
- Integrated display for direct reading of measurement data.
- Transmission range: up to 80 meters (open area).
- Protection class: IP44 (splash-proof).
- Compact dimensions: 71 x 65 x 23 mm.
- Lightweight: 44 g.
- Battery powered (2x 1.5V AAA per sensor, not included).

4. Setup

4.1 Battery Installation

Base Station:

1. Open the battery compartment cover on the back of the base station.
2. Insert 2x AAA batteries, observing the correct polarity (+/-).
3. Close the battery compartment cover securely.

Wireless Sensors:

1. Open the battery compartment cover on the back of each wireless sensor.
2. Insert 2x AAA batteries into each sensor, observing the correct polarity (+/-).
3. Close the battery compartment cover securely.



Figure 2: Rear view of a wireless sensor showing the battery compartment.

4.2 Sensor Pairing and Placement

Once batteries are installed in both the base station and the wireless sensors, the sensors will automatically attempt to connect to the base station.

- Place the base station in a central location within your home where you wish to monitor the indoor climate.
- Position the wireless sensors in the desired locations (e.g., living room, bedroom, bathroom, cellar, outdoor sheltered area). Ensure they are within the 80-meter transmission range of the base station.
- Avoid placing sensors near heat sources, direct sunlight, or in areas with high electromagnetic interference, as this can affect accuracy and signal transmission.



Figure 3: Example placement of the main unit and wireless sensors in a home setting.



Figure 4: The three wireless thermo-hygro sensors, each with its own display.

5. Operation

5.1 Display Overview

The main unit's large display shows temperature and humidity for the integrated sensor ("IN") and the three wireless sensors (Channels 1, 2, 3).



Figure 5: Detailed view of the main unit's display, showing readings for four channels.

- **Channel Indicator (1, 2, 3, IN):** Identifies the measurement source. "IN" is the integrated sensor.
- **Temperature:** Displayed in large digits (°C or °F).
- **Humidity:** Displayed as a percentage (%).
- **Temperature Trend:** An arrow indicates if the temperature is rising, falling, or stable.
- **Comfort Indicator:** A smiley symbol provides a quick visual assessment of the indoor climate.

5.2 Comfort Indicator (Smiley)

The comfort indicator helps you quickly assess the current indoor climate based on temperature and humidity levels.

- ☺ **Smiling Face:** Indicates a comfortable climate (optimal temperature and humidity).
- 😐 **Neutral Face:** Indicates a slightly less than ideal climate, but still acceptable.
- ☹ **Sad Face:** Indicates an uncomfortable climate (too dry, too humid, too hot, or too cold), which may contribute to mold formation or discomfort.

5.3 Min/Max Memory

The device automatically records the minimum and maximum temperature and humidity values for each channel since the last reset.

- Press the **MIN/MAX** button (usually located on the side or back of the base station) to cycle through current, maximum, and minimum readings for each channel.
- To reset the Min/Max values, press and hold the **MIN/MAX** button for a few seconds until the values clear.

5.4 High/Low Alarms

You can set customizable high and low alarms for temperature and humidity to be notified when values exceed or fall below your set thresholds.

- Refer to the specific button on your base station (often labeled "ALERT" or "ALARM") and follow the on-screen prompts to set your desired high and low limits for each channel.
- An audible alert or flashing icon will indicate when a threshold is crossed.

5.5 Temperature Unit Selection (°C/°F)

To switch between Celsius (°C) and Fahrenheit (°F), locate the °C/°F button (usually on the back or side of the base station) and press it. The display will update accordingly.

6. Maintenance

6.1 Battery Replacement

When the battery indicator appears on the display, it is time to replace the batteries.

- For the base station, replace the 2x AAA batteries as described in Section 4.1.
- For each wireless sensor, replace the 2x AAA batteries as described in Section 4.1.
- Always replace all batteries in a unit at the same time with new ones. Do not mix old and new batteries.
- Dispose of used batteries responsibly according to local regulations.

6.2 Cleaning

To clean the device and sensors:

- Wipe the surfaces with a soft, damp cloth.
- Do not use abrasive cleaners or solvents, as these may damage the display or casing.
- Ensure no water enters the battery compartments or other openings.

7. Troubleshooting

- **No display on base station/sensors:**

Check battery polarity and ensure batteries are new and correctly inserted. Replace batteries if necessary.

- **No readings from wireless sensors / Signal loss:**

- Ensure wireless sensors are within the 80m transmission range of the base station.
- Check for obstructions between the sensors and the base station (e.g., thick walls, large metal objects).
- Replace batteries in both the base station and the wireless sensors.
- Temporarily move sensors closer to the base station to re-establish connection.
- Avoid placing sensors near electronic devices that may cause interference.

- **Inaccurate readings:**

- Ensure sensors are not exposed to direct sunlight, drafts, or heat sources.
- Allow the device and sensors to stabilize for at least 30 minutes after setup, especially if moved from a different environment.
- Compare readings with another known accurate thermometer/hygrometer if available. Note that minor discrepancies (e.g., 0.5°C for temperature, 5-10% for humidity) can occur between different devices.

8. Specifications

Feature	Specification
Brand	BRESSER
Model Number	14843
Product Dimensions (L x W x H)	11.5 x 11.5 x 2 cm (Base Station)
Weight	119 grams (Base Station)
Wireless Sensor Dimensions	71 x 65 x 23 mm
Wireless Sensor Weight	44 g
Power Source (Base Station)	2x AAA batteries (not included)
Power Source (Wireless Sensors)	2x AAA batteries per sensor (not included)
Operating Humidity	30 to 70 %
Upper Rated Temperature	30 Degrees Celsius
Temperature Accuracy	0.5°C
Wireless Range	Up to 80 meters (open area)
Wireless Sensor IP Rating	IP44
Color	White

9. Warranty and Support

For warranty information, please refer to the warranty card included with your product or visit the official BRESSER website.

If you encounter any issues or have questions not covered in this manual, please contact BRESSER customer support. Contact details can typically be found on the manufacturer's website or on the product packaging.

Online Resources: For additional support, FAQs, or updated manuals, please visit the official BRESSER website: www.bresser.de

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