

BRESSER 7009999

Bresser Thermo/Hygro Sensor

Model: 7009999 | Brand: BRESSER

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Bresser Thermo/Hygro Sensor (Model 7009999). This outdoor sensor is designed to measure temperature and humidity, transmitting data wirelessly to compatible Bresser weather stations.

It features seven selectable channels and operates on an 868 MHz transmission frequency, offering an extended signal range of up to 150 meters (492 feet) in open areas.

2. PACKAGE CONTENTS

Please check the package contents carefully to ensure all items are present and in good condition:

- 1x Bresser Thermo/Hygro Sensor (Model 7009999)

Note: 2x AA (LR6) batteries are required and are not included in the package.

3. KEY FEATURES

- Wireless Thermo-Hygro Sensor
- Measures temperature and humidity
- 7 selectable channels for multi-sensor setups
- Transmission frequency: 868 MHz
- Radio signal range: Up to 150 meters (492 feet)
- Compact dimensions: 60x37x113mm (2.36x1.46x4.45 inches)
- Lightweight: 92g (0.2 lbs)
- Compatible with various BRESSER weather stations (e.g., 7902535, 7002541, WSX3001, 7003500, 9080600, 7002586, 7006300, WSH4102, 7003600, 7003300, 7003230, 7003210, 7003200, 7003220, 7003510, WSX5003, 7002531, 7002571, 7003100, DMAX/Bresser Wetterstation 6in1)

4. SETUP GUIDE

4.1. Battery Installation

1. Locate the battery compartment cover on the back of the sensor.
2. Slide or unclip the cover to open it.
3. Insert 2x AA (LR6) batteries, ensuring correct polarity (+ and -).
4. Close the battery compartment cover securely.





Figure 1: Front view of the Bresser Thermo/Hygro Sensor. Shows the 868MHz label, HYGRO-THERMO SENSOR, HIGH PRECISION text, and BRESSER logo.





Figure 2: Back view of the Bresser Thermo/Hygro Sensor. Shows the battery compartment cover and a mounting hole.

4.2. Channel Selection

The sensor supports 7 selectable channels. This allows you to use multiple sensors with a single compatible weather station, or to avoid interference if other 868 MHz devices are in use nearby.

1. Inside the battery compartment, locate the channel selection switch (usually a small DIP switch or button).
2. Select a channel (1-7) that is not currently in use by other sensors.
3. Ensure the selected channel matches the channel setting on your compatible Bresser weather station.

4.3. Placement and Mounting

For optimal performance, consider the following when placing your sensor:

- **Location:** Choose an outdoor location that is sheltered from direct sunlight and precipitation to ensure accurate readings and prolong sensor life. An ideal location is under an eave or on a north-facing wall.
- **Ventilation:** Ensure good air circulation around the sensor.
- **Distance:** Place the sensor within 150 meters (492 feet) of your main weather station. Walls, metal structures, and other electronic devices can reduce the effective range.
- **Mounting:** Use the integrated mounting hole on the back of the sensor to securely attach it to a wall or post using a screw (not included).

5. OPERATING INSTRUCTIONS

Once batteries are installed and a channel is selected, the sensor will automatically begin transmitting temperature and humidity data. The red LED indicator on the front of the sensor may flash briefly during transmission.

To view the data, ensure your compatible Bresser weather station is powered on and set to the same channel as the sensor. The weather station should automatically detect and display the sensor's readings.

Important:

- If the weather station does not receive data, check the battery level of the sensor and ensure both devices are on the same channel.
- Avoid placing the sensor near large metal objects or strong electromagnetic interference sources, as this can disrupt signal transmission.

6. CARE AND MAINTENANCE

- **Cleaning:** Wipe the sensor periodically with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on your weather station, or if the sensor stops transmitting data. Always replace both batteries at the same time with new ones of the same type.
- **Storage:** If storing the sensor for an extended period, remove the batteries to prevent leakage.
- **Environmental Protection:** Dispose of used batteries and the device in accordance with local regulations. Do not dispose of them with household waste.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No data received by weather station	• Incorrect channel selected • Low or dead batteries • Sensor out of range • Interference	• Ensure sensor and weather station are on the same channel. • Replace batteries with new ones. • Move sensor closer to the weather station. • Relocate sensor away from potential sources of interference (e.g., large metal objects, other electronics).
Inaccurate readings	• Sensor exposed to direct sunlight or rain • Poor ventilation	• Relocate sensor to a sheltered, shaded area. • Ensure air can circulate freely around the sensor.
Short transmission range	• Obstructions (walls, trees) • Interference	• Minimize obstructions between sensor and weather station. • Check for and eliminate sources of electromagnetic interference.

8. TECHNICAL SPECIFICATIONS

Model Number	7009999
Brand	BRESSER
Connectivity Technology	868 MHz Wireless
Special Features	7 selectable channels, extended radio signal range
Power Source	Battery Powered (2x AA, not included)
Product Dimensions (L x W x H)	6 x 3.7 x 11.3 cm (2.36 x 1.46 x 4.45 inches)
Product Weight	78 grams (0.17 lbs)
Color	White
Material	Plastic
Compatible Devices	DMAX/Bresser Wetterstation 6in1 and other compatible Bresser weather stations.

9. WARRANTY AND SUPPORT

This product comes with a manufacturer's warranty. For specific details regarding warranty coverage and duration, please refer to the warranty card included with your product or visit the official BRESSER website.

For technical support, troubleshooting assistance, or spare parts inquiries, please contact BRESSER customer service. Contact information can typically be found on the BRESSER website or in the product packaging.

You can find more information and support resources on the official BRESSER website www.bresser.de

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