BRESSER 7002525

BRESSER Beaufort 5-in-1 Wireless Weather Station Meteorological Center User Manual

Model: 7002525

1. PRODUCT OVERVIEW

The BRESSER Beaufort 5-in-1 Wireless Weather Station Meteorological Center provides comprehensive weather data directly to your home. It includes an indoor display unit and a multi-sensor outdoor unit that measures temperature, humidity, wind speed, wind direction, and rainfall.

Image: The main display unit of the BRESSER Beaufort 5-in-1 Wireless Weather Station, showing indoor and outdoor temperature, humidity, wind data, forecast, barometric pressure, and time.

2. SETUP

2.1 Unpacking and Component Check

Carefully unpack all components and ensure the following items are present:

- Main Display Unit
- 5-in-1 Outdoor Multi-Sensor Unit
- Mounting accessories (pole, base, screws)
- Power adapter for main unit
- Instruction Manual

2.2 Battery Installation

Main Display Unit: Insert 1x CR2032 battery (not included) into the battery compartment for backup power.

Connect the main unit to a power outlet using the provided adapter.

Outdoor Multi-Sensor Unit: Insert 3x AA batteries (not included) into the battery compartment of the outdoor sensor. Ensure correct polarity.

2.3 Outdoor Sensor Placement and Mounting

Proper placement of the outdoor sensor is crucial for accurate readings.

- Mount the sensor in an open area, away from obstructions like buildings or trees, to ensure accurate wind and rain measurements.
- Ensure the sensor is mounted level to guarantee accurate rainfall collection and wind direction.
- Orient the wind vane (the arrow) to point North during installation.
- Use the provided mounting pole and base to secure the sensor to a stable surface or pole.

Image: Side view of the BRESSER 5-in-1 outdoor multi-sensor unit, showing the wind cups, wind vane, and rain collector.

2.4 Initial Synchronization

After installing batteries in both units, place them within close proximity. The main display unit will automatically

search for and connect to the outdoor sensor. This process may take a few minutes. Once connected, outdoor data will appear on the display.

2.5 Time and Date Setting

The weather station may attempt to synchronize time via RCC (Radio Controlled Clock) signal. If an RCC signal is not available in your region, or if you prefer, you can manually set the time and date using the buttons on the main display unit. Refer to the specific button functions in the Operating section for detailed instructions.

3. OPERATING THE WEATHER STATION

3.1 Display Overview

The main display unit presents various weather parameters:

- **OUT:** Outdoor temperature and humidity.
- **IN:** Indoor temperature and humidity.
- **WIND:** Current wind speed and direction, including gust speed.
- **FORECAST:** Weather forecast icons (sunny, cloudy, rainy, etc.).
- **BARO:** Barometric pressure readings.
- **RAINFALL:** Daily, weekly, or monthly rainfall accumulation.
- **TIME/DATE:** Current time, date, and day of the week.
- **BEAUFORT:** Beaufort scale indicator for wind force.
- **WIND CHILL:** Calculated wind chill temperature.

Image: Front view of the BRESSER Beaufort 5-in-1 Wireless Weather Station display, highlighting the various data fields and their arrangement.

3.2 Button Functions

The display unit features several buttons for navigation and settings:

- **HISTORY:** View historical data for various parameters.
- **MAX/MIN:** Display maximum and minimum recorded values for temperature, humidity, etc. Press again to clear.
- **LIGHT:** Adjust backlight brightness or activate temporary backlight.
- **MODE/SET:** Enter settings mode or confirm selections.
- **UP/DOWN Arrows:** Navigate through menus or adjust values.

3.3 Setting Alarms

You can set alarms for specific weather conditions, such as high/low temperature, high wind speed, or heavy rainfall. Enter the alarm setting mode using the MODE/SET button and follow the on-screen prompts to configure your desired alarm thresholds.

3.4 Unit Selection

To change units (e.g., Celsius to Fahrenheit, mph to km/h, inHg to hPa), access the settings menu. Navigate to the unit selection option and choose your preferred measurement units.

4. MAINTENANCE

4.1 Battery Replacement

Replace batteries in the outdoor sensor when the low battery indicator appears on the main display. Due to the outdoor placement, ensure safe access for battery replacement. The main unit's backup battery should be replaced periodically, typically every 1-2 years.

4.2 Cleaning

Periodically clean the outdoor sensor unit to ensure accurate readings. Remove any debris from the rain collector, wind cups, and wind vane. Use a soft, damp cloth for cleaning; avoid abrasive cleaners or solvents. Clean the display unit with a soft, dry cloth.

4.3 General Care

Ensure the outdoor sensor is securely mounted and free from physical damage. Protect the main display unit from extreme temperatures, direct sunlight, and moisture.

5. TROUBLESHOOTING

- **No Display on Main Unit:** Check power adapter connection and backup battery.
- **No Outdoor Data:** Ensure outdoor sensor batteries are fresh and correctly installed. Verify both units are within range and attempt re-synchronization (refer to setup instructions). Check for obstructions between units.
- **Inaccurate Readings:** Ensure the outdoor sensor is mounted correctly (level, clear of obstructions, wind vane pointing North). Clean sensors if necessary.
- **Time/Date Incorrect:** If RCC synchronization fails, manually set the time and date.

6. SPECIFICATIONS

Feature	Detail
Brand	BRESSER
Model Number	7002525
ASIN	B08VDM1VB7
Recommended Uses	Home
Specific Uses	Air humidity measurement, air pressure measurement, temperature alarm, temperature measurement, wind measurement, alarm clock
Power Source	Battery Powered (3 AA batteries required for outdoor sensor, 1 CR2032 for main unit backup)

Feature	Detail
Special Feature	Lightweight, Transparent
Material	Metal
Connectivity Technology	433 MHz or 868 MHz
Product Dimensions	4.65"D x 7.17"W x 0.79"H (Main Unit)
Included Components	1 product (Main Display Unit, 5-in-1 Outdoor Multi-Sensor Unit, mounting accessories, power adapter)
Temperature Accuracy	1 or 2 Degrees Celsius
Sensor Technology	Ultrasonic or other compatible
Upper Temperature Rating	50 Degrees Celsius
Item Weight	0.71 Kilograms (1.56 pounds)
Display Type	LCD, LED or VFD
Finish Type	Shiny
Shape	Rectangular
Date First Available	March 16, 2023

7. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your product packaging or visit the official BRESSER website. For technical support or assistance, please contact BRESSER customer service directly through their official channels.