**BRESSER 7004350**

# Bresser ClimateTemp NDH-NEO Wireless Weather Station User Manual

Model: 7004350 | Brand: BRESSER

## Introduction

This manual provides instructions for the setup, operation, and maintenance of your Bresser ClimateTemp NDH-NEO Wireless Weather Station. This device is designed to monitor indoor and outdoor temperature and humidity, provide graphical weather forecasts, and display barometric pressure history. Please read this manual thoroughly before using the product to ensure correct operation and to prevent damage.

## Safety Instructions

- Do not expose the main unit or sensor to extreme temperatures, direct sunlight, or excessive moisture.
- Use only the specified power adapter and battery types.
- Do not mix old and new batteries, or different types of batteries.
- Keep batteries out of reach of children.
- Do not attempt to disassemble or repair the device. Contact qualified personnel for service.
- Dispose of used batteries and electronic devices responsibly according to local regulations.

## Package Contents

- 1x Bresser ClimateTemp NDH-NEO Base Unit
- 1x Wireless Outdoor Sensor
- 1x Power Adapter
- 1x User Manual

# Product Overview

## Main Unit

The main unit features a clear LCD display that shows all collected data. It includes control buttons on the side for settings and adjustments, and a foldable stand for desktop placement or a mounting hole for wall installation.




The main display unit and its accompanying wireless outdoor sensor, showcasing their design and relative sizes.



Images showing the side profile of the main unit with control buttons and the rear view detailing the foldable stand and wall-mounting option.

## Wireless Outdoor Sensor

The compact outdoor sensor measures external temperature and humidity. It features a small LCD screen for local readings and is designed to be splash-proof (IP44 rated) for outdoor use.




A detailed view of the compact wireless outdoor sensor, displaying its small LCD screen for local readings.

## Setup

### 1. Battery Installation (Main Unit)

1. Open the battery compartment cover on the back of the main unit.
2. Insert 3x AA batteries (not included) according to the polarity markings (+/-).

3. Close the battery compartment cover.
4. Alternatively, connect the provided power adapter to the main unit and a power outlet. Batteries can serve as backup power.

## 2. Battery Installation (Outdoor Sensor)

1. Open the battery compartment cover on the back of the outdoor sensor.
2. Insert 2x AA batteries (not included) according to the polarity markings (+/-).
3. Close the battery compartment cover.

## 3. Sensor Placement

Place the outdoor sensor in a shaded area, protected from direct sunlight and rain, to ensure accurate temperature and humidity readings. The sensor is splash-proof (IP44) but prolonged exposure to heavy rain is not recommended. Ensure it is within 80 meters of the main unit, avoiding large metal objects or thick walls that may interfere with the radio signal.




The outdoor sensor shown with a graphic indicating its IP44 water resistance rating, suitable for outdoor placement.




An example of the weather station's placement, mounted on a wall above a side table in a home environment.

### 4. Initial Synchronization

After inserting batteries into both units, the main unit will automatically search for the outdoor sensor. This process may take a few minutes. Once connected, the outdoor temperature and humidity will appear on the main unit's display.

### 5. Automatic Time and Date Setting (DCF)

The weather station is equipped with a DCF radio-controlled clock. Upon initial power-up, it will attempt to synchronize with the DCF time signal. This process can take several hours, especially in areas with weak signals. Ensure the unit is placed away from electronic interference.

### 6. Manual Time and Date Adjustment / Time Zone

If the DCF signal is not received or if you are in a different time zone, you may need to manually set the time and date. Refer to the specific button functions on the side of the main unit for detailed instructions on adjusting time, date, and time zone offset.

## Operating the Weather Station

## Display Layout

The LCD display provides a comprehensive overview of weather data. Key areas include:

- **Time and Date:** Current time, day of the week, and date.
- **Indoor Temperature and Humidity:** Readings from the main unit's internal sensors.
- **Outdoor Temperature and Humidity:** Readings transmitted from the wireless outdoor sensor.
- **Weather Forecast:** Graphical icons representing predicted weather conditions (e.g., sunny, cloudy, rainy).
- **Barometric Pressure:** Current atmospheric pressure and a historical trend graph.
- **Moon Phase:** Current moon phase indication.




A detailed view of the main unit's LCD screen, illustrating the clear display of time, indoor and outdoor temperature and humidity, and graphical weather forecast symbols.

## Viewing Max/Min Values

The station records maximum and minimum temperature and humidity values for both indoor and outdoor

environments. Press the designated button (often labeled 'MAX/MIN' or similar) to cycle through these recorded values.

### Weather Forecast

The weather station analyzes barometric pressure changes to generate a weather forecast for the next 12-24 hours. The forecast is displayed using intuitive graphical icons.

### Alarm Functions

- **Frost Warning:** An icon or alert will appear when the outdoor temperature approaches freezing point, indicating potential frost conditions.
- **High/Low Alarms:** You can set customizable high and low temperature/humidity alarms. The unit will alert you if the readings exceed or fall below your set thresholds.
- **Alarm Clock with Snooze:** The integrated alarm clock can be set for daily wake-up. The snooze function allows for a temporary delay of the alarm.

### Backlight and Dimmer

The display features a backlight for improved visibility in low-light conditions. A dimmer function may be available to adjust the brightness level.

## Maintenance

- **Cleaning:** Wipe the main unit and sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries in both units when the low battery indicator appears on the display. Ensure correct polarity.
- **Storage:** If storing the device for an extended period, remove all batteries to prevent leakage.

## Troubleshooting

| Issue | Possible Cause | Solution |
|---|---|---|
| No outdoor temperature/humidity display | Sensor out of range; low sensor batteries; interference. | Relocate sensor closer to main unit; replace sensor batteries; move away from electronic devices. Re-synchronize manually if needed. |
| Incorrect temperature/humidity readings | Sensor exposed to direct sunlight or heat source; poor ventilation. | Relocate sensor to a shaded, well-ventilated area. Ensure main unit is not near heat/cold sources. |
| DCF time signal not received | Weak signal; interference; geographical location. | Place unit near a window; avoid electronic interference; allow more time for synchronization. Manually set time if necessary. |
| Display is dim or blank | Low main unit batteries; power adapter disconnected. | Replace main unit batteries; ensure power adapter is securely connected. |

## Specifications

| Feature | Specification |
|---|---|
| Brand | BRESSER |
| Model Number | 7004350 |
| Color | Silver/Black |
| Display Type | LCD |
| Connectivity Technology | Radio (Wireless) |
| Power Source (Main Unit) | Power Adapter (included) or 3x AA Batteries (not included) |
| Power Source (Outdoor Sensor) | 2x AA Batteries (not included) |
| Product Dimensions (Main Unit) | 16.6 x 12 x 2.2 cm (L x W x H) |
| Item Weight | 352 Grams |
| Material | Plastic |
| Special Features | Indoor/Outdoor Temperature & Humidity, Weather Forecast, Barometric Pressure History, Max/Min Memory, Frost Warning, Moon Phase, DCF Radio Clock, Alarm Clock with Snooze |
| Outdoor Sensor Water Resistance | IP44 (Splash-proof) |

## Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official Bresser website. Keep your proof of purchase for any warranty claims.