NATIONAL GEOGRAPHIC™

Weather Station ·

BaroTemp HZ

EN Instruction manual

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www.bresser.de/P9070110

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1 Imprint

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www.bresser.de

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Errors and technical changes excepted.

Visit our website: *www.nationalgeographic.com*

2 Validity note

This documentation is valid for the products with the following article numbers:

9070110

Manual version: v102023a

Manual designation:
Manual_9070110_BaroTemp-HZ_UK-Version_en_NATGEO_v102023a

Always provide information when requesting service.

3 Features

- Radio-controlled with MSF signal reception
- Six types of weather forecasts
- Barometric recording over 12 hours
- 5 languages of the weekday display
- 12/24H
- °C/°F
- Indoor/outdoor temperature
- Humidity indoor/outdoor
- Recording of the maximum and minimum temperature and humidity
- Low battery indicator
- Temperature and humidity trend
- Outdoor temperature alert

- Weather trend display
- Dual alarm clock with snooze function
- Sunrise and sunset time
- 3-level backlight

4 About this Instruction Manual

NOTICE

These operating instructions are to be considered a component of the device.

Read the safety instructions and the instruction manual carefully before using this device.

Keep these instruction manual in a safe place for future reference. If the device is sold or passed on, the instruction manual must be passed on to any subsequent owner/user of the product.

5 Parts overview and scope of delivery
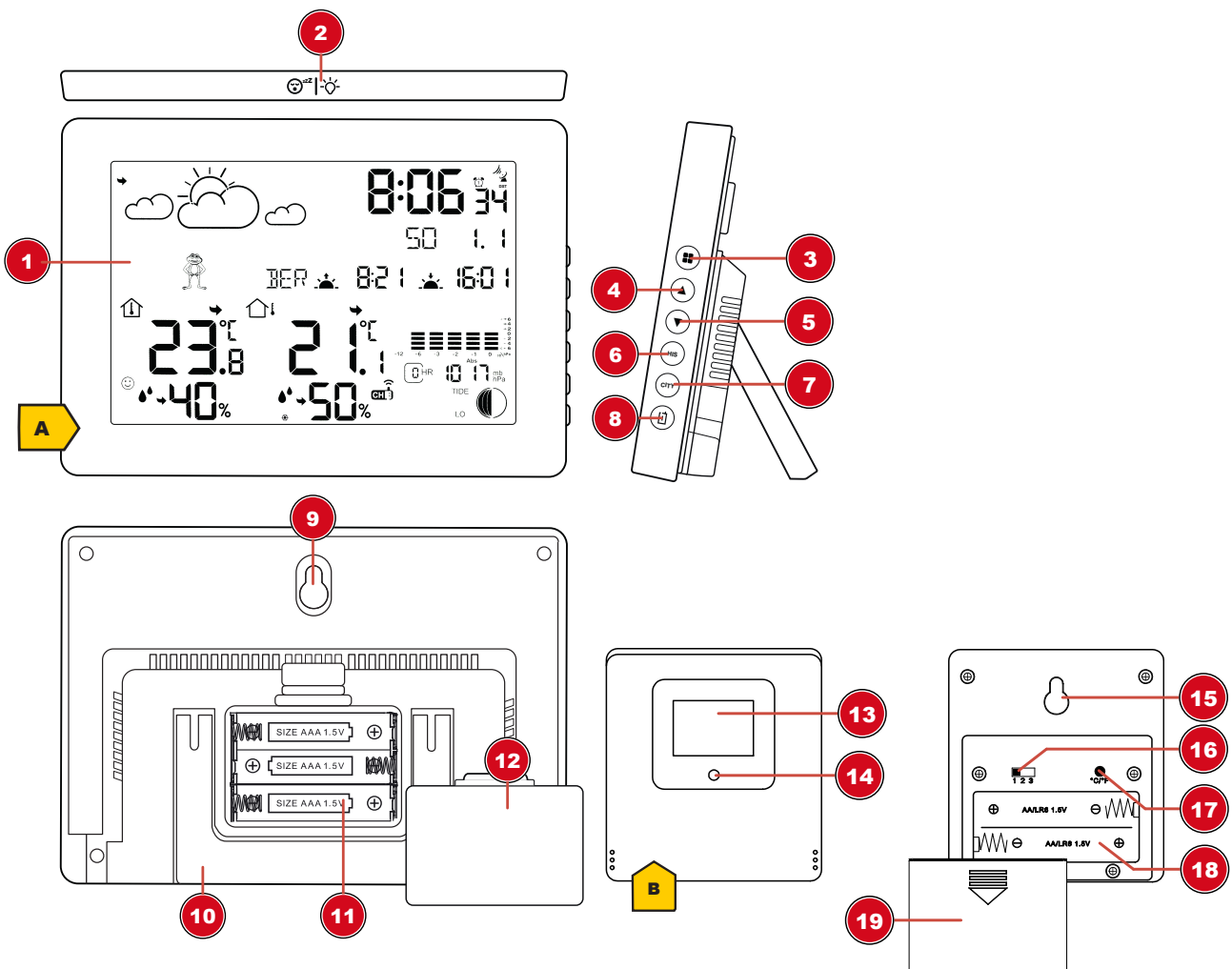

Illustration 1: All parts of the base station and sensor

1 Display	2 SNOOZE/LIGHT button (set snooze function / adjust display brightness)

3	MODE button (display alarm 1, alarm 2)	4	UP button (increase value)
5	DOWN button (decrease value)	6	HIS button (barometer reading of the last 12 hours)
7	CITY button (for moon phases, tides, sunset and sunrise)	8	CHANNEL button (channel selection, CH1, CH2, CH3, channel cycle)
9	Wall mount hole	10	Stand
11	Battery compartment	12	Battery compartment cover
13	Display (wireless sensor)	14	Indicator light
15	Wall mount hole	16	Slide switch for channel selection
17	°C/°F button (change between °C and °F)	18	Battery compartment (wireless sensor)
19	Battery compartment cover (wireless sensor)		

Scope of delivery:

Weather station (A), thermo / hygro sensor (B)

Also required (not included):

Station: 3 pcs. Micro batteries (1.5V, type AAA)

Sensor: 2 pcs. Micro batteries (1.5V, type AAA)

6 Screen display
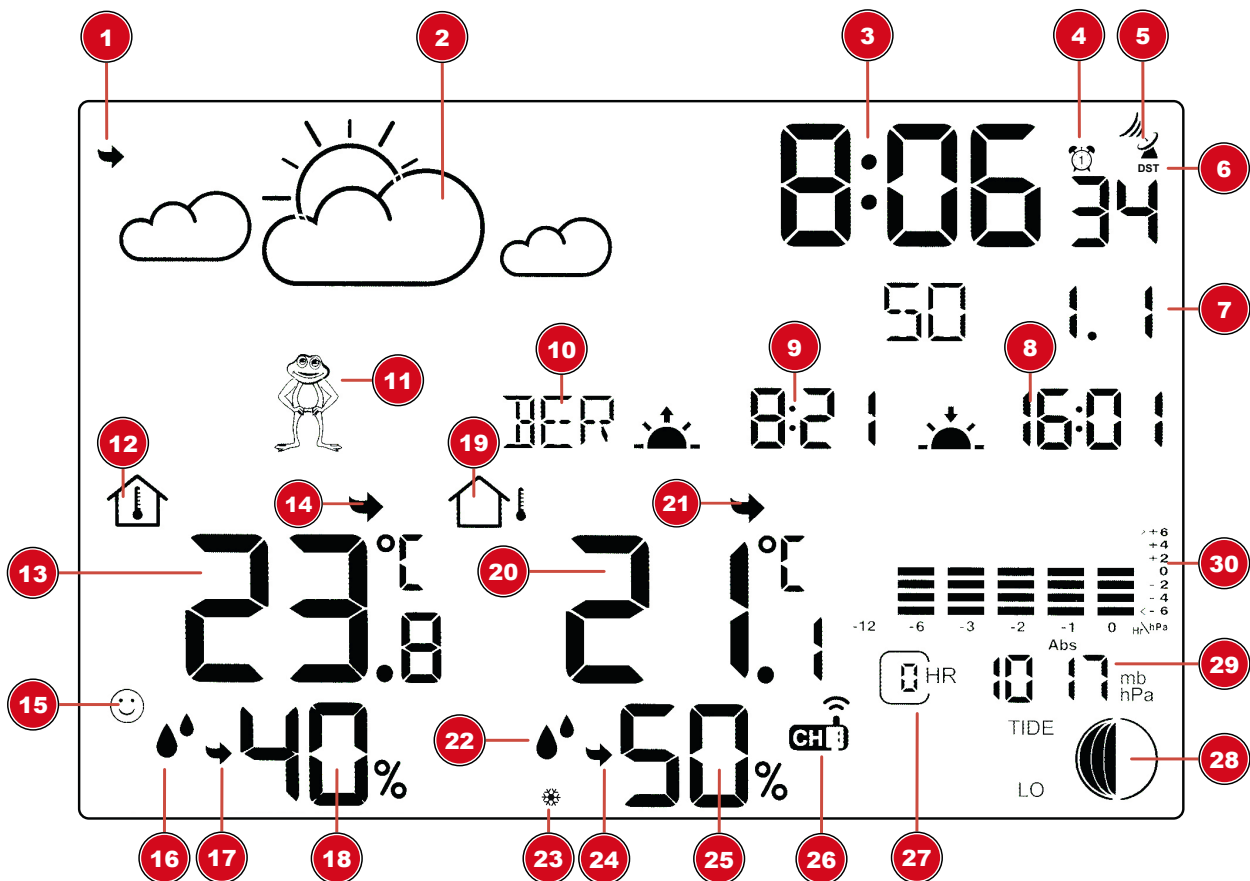

Illustration 2: Screen display of the base station

1	Trend arrow weather forecast	2	Graphical weather trend display for the next 12 hours
3	Current time	4	Alarm active

5	Icon for the radio signal	6	Icon for active daylight saving time (DST)
7	Weekday, day, month	8	Time of sunset
9	Time of sunrise	10	City selection (for moon phases, tides, sunset and sunrise)
11	Icon weather frog	12	Icon indoor temperature
13	Indoor temperature	14	Trend arrow indoor temperature
15	Comfort indicator (climate)	16	Icon humidity
17	Trend arrow humidity (indoor)	18	Humidity (indoor)
19	Icon outdoor temperature	20	Outdoor temperature
21	Trend arrow outdoor temperature	22	Icon humidity (outdoor)
23	Ice alert (frost warning)	24	Trend arrow humidity (outdoor)
25	Humidity (outdoor)	26	Selected channel of the wireless sensor
27	Hour display for barometer reading	28	Moon phases / tides
29	Barometer (air pressure)	30	Histogram

7 Setting the city

Manually set the city near you as follows to ensure that the moon phases, tides, sunset and sunrise are displayed correctly.

1. press the CITY button.

2. Press the UP or DOWN button to set the desired city.

3. Press the CITY button again.

Setting your own city:

In normal mode, press and hold the CITY button for about 3 seconds to call up your own city, the digits to be set flash, press the UP or DOWN button to change the value, and press the CITY button to move to the next setting. The order of setting is The first letter for the city name (A-Z) > The second letter for the city name (A-Z) > The third letter for the city name (A-Z) > GMT time > Longitude > Latitude

Finally, press the CITY button to save the settings and exit the CITY setting mode.

City code

You can find a list of cities as a PDF file at: www.bresser.de/download/City_Codes

8 Before commissioning

NOTICE

Avoid connection faults!

In order to avoid connection problems between the devices, the following points must be observed during commissioning.

1. Place the base unit (receiver) and sensor (transmitter) as close together as possible.

2. Connect the power supply to the base unit and wait until the indoor temperature is displayed.

3. Establish power supply for the sensor.

4. Set up/operate the base unit and sensor within the effective transmission range.

5. Make sure that the base unit and the radio sensor are set to the same channel.

When changing the batteries, always remove the batteries from both the base unit and the sensor and reinsert them in the correct order so that the radio link can be re-established. If one of the two devices is operated via a mains power connection, the power connection must also be briefly disconnected for this device when the batteries are changed. If, for example, only the batteries in the sensor are replaced, the signal may subsequently not be received at all or not be received correctly.

Note that the actual range depends on the respective construction materials used for the buildings as well as the respective position of the base unit and the outdoor sensor. External influences (various radio transmitters and other sources of interference) can greatly reduce the possible range. In such cases, we recommend finding other locations for both the base unit and the outdoor sensor. Sometimes moving the sensor by just a few centimeters is enough!

9 Setting up power supply

Base station

1. Remove the battery compartment cover.
2. Insert the batteries into the battery compartment. Ensure that the battery polarity (+/-) is correct.
3. Replace the battery compartment cover.
4. Wait until the indoor temperature is displayed on the base station.

Remote sensor

5. Remove the battery compartment cover.
6. Insert the batteries into the battery compartment. Ensure that the battery polarity (+/-) is correct.
7. Push the CH button to set the desired transmission channel (setting CH1, CH2, CH3 or channel cycle) (on screen display).
8. Push the °C/°F button to set the desired temperature format (setting °C or °F on screen display).
9. Replace the battery compartment cover.

10 Battery level indicator

1. When the level of the batteries in the base station or in the wireless sensor reaches a critical level, the battery level symbol appears in the appropriate area on the display.
2. When replacing one set of batteries, always remove the batteries from the other part of the unit and reinsert them in the correct order (see chapter "Setting up power supply"). Replace the batteries to be changed in the corresponding part of the device with a completely new set with full capacity. This ensures that the connection between the devices will be reestablished again correctly.

11 Automatic time setting

After the power has been restored, the unit automatically searches for the radio signal. It takes approximately 3-8 minutes for this process to be completed.

If the radio signal is received correctly, the date and time are set automatically and the reception symbol is displayed.

If no radio signal has been received, proceed as follows:

1. Press the UP button for approx. 2 seconds to initiate the reception of the radio signal again.
2. Press the UP button for approx. 2 seconds to initiate the reception of the radio signal again.
3. If still no radio signal is received, the time must be set manually.

12 Manual time setting

1. Press and hold the MODE button for about 3 seconds to enter the time setting mode.
2. Digits to be set are flashing.

3. Press the UP or DOWN button to change the value.

4. Press the SET button to confirm and proceed to the next setting.

5. Sequence of settings:

6. Format 12/24H > Temperature unit >Barometer unit > Hour > Minute>Year > Month>Date >Language of weekday

7. Finally, press the MODE button to save the settings and exit the settings mode.

8. In normal mode, press the MODE button to check the alarm time.

13 Alarm setting

1. In normal mode, press the MODE button to check the alarm time.

2. When you have checked the alarm time, press the UP button to turn the alarm on or off.

3. When you enter the alarm mode, press and hold the MODE button for about 3 seconds to enter the alarm setting mode. The digits to be set will flash. Press the UP or DOWN button to change the value. Press the MODE button to confirm and proceed to the next setting. Sequence of settings: Hour> Minute. Press the MODE button to save the settings and exit the alarm setting mode.

14 Snooze function

1. When the alarm sounds, press SNZ button to activate the snooze function. The alarm will sound again in 5 minutes.

2. Press any other button when the alarm sounds to interrupt the alarm until the alarm time will be reached again.

15 Switching on temperature alert and/or ice alert

1. In normal display mode, press the DOWN button to activate or deactivate the temperature alert, the ice alert or both in succession.

2. In normal mode, press and hold DOWN button for about 3 seconds to enter the outdoor temperature alert setting mode, the digits to be set will flash, press UP or DOWN button to change the value, press MODE button to move to the next setting. The sequence of settings is outdoor HI temperature > outdoor LO temperature.

16 Weather trend

A weather trend for the next 12-24 hours is calculated from the measured values and graphically displayed as follows:

Illustration 3: The weather trend indicators on the base station display

Meaning of the icons (from left to right):

sunny / partly cloudy / cloudy / rain / thunderstorm / snow

Weather frog

Illustration 4: The weather frog icon as weather trend indicator on the base station display

Meaning of the icons (from left to right):

summer temperatures, heat / comfortable temperatures / uncomfortable temperatures / winter temperatures, cold

17 Barometric / Atmospheric pressure

Atmospheric pressure (hereinafter referred to as "air pressure") is the pressure at any place on earth caused by the weight of the layer of air above it. Air pressure is proportional to average pressure and decreases gradually with altitude. Meteorologists use barometers to measure air pressure. Because the weather is highly dependent on changes in air pressure, it is possible to make a weather forecast from the measured changes in air pressure.

To obtain a generally valid air pressure, this is converted to sea level. This calculated value is then the generally known barometric air pressure.

Find out the value of the air pressure above sea level (also corresponds to the relative air pressure of your location) from the local weather service, the internet or other sources.

- In the normal display mode, press the HISTORY button to check the barometer reading for the last 12 hours.
- In normal mode, press and hold the HISTORY button to select the type of air pressure and press the UP or DOWN buttons to select between absolute pressure and relative pressure.
- When entering the relative pressure mode, press the HISTORY button once to change the barometer value. Press the UP or DOWN button to change the value.

NOTE
- The built-in barometer registers changes in absolute air pressure caused by the environment. Based on the collected data, a forecast for the weather conditions in the next 12 hours can be made. The weather indicators change according to the determined absolute air pressure after only one hour of operation.
- High air pressure is always associated with nice weather, while low air pressure indicates rainy weather.

18 Connecting remote sensors

The weather station can display the readings from up to 3 wireless sensors* of the same type. Each radio sensor must be set to a separate channel. Proceed as follows to set the channel:

1. Remove the battery compartment cover of the wireless sensor.
2. Set the channel selection switch to the desired channel (1, 2 or 3).
3. Re-attach the battery compartment cover.
4. Press the CHANNEL button on the base station several times to display the measured values for the individual channels or alternate between them. The selected channel is shown in the display each time.
5. Press the CHANNEL button for approx. 3 seconds to initiate the search for a sensor.

NOTICE! Each connected wireless sensor must be set to a different channel. If only one wireless sensor is connected, it should be set to channel 1.

*one wireless sensor included, others optionally available

19 Ice pre-alert

If the ice alert is activated, an alarm will sound for approx. 3 seconds and the icon will flash as long as the outside temperature is between -1.0 and +3.0 °C.

20 MAX/MIN temperature values

The maximum and minimum readings for indoor and outdoor temperature as well as for the humidity are stored by the base station over a period of 24 hours:

1. In normal mode, press the UP button to check the record of maximum and minimum temperature and humidity.
2. When checking the Max/Min record, press and hold the UP button to delete the record.

21 Backlight

Press SNOOZE/LIGHT button to activate backlight for 5 seconds.

22 Disposal

Dispose of the packaging materials according to its type. Information on proper disposal can be obtained from the municipal waste disposal service provider or environmental agency.

Do not dispose of electronic devices in the household garbage!

According to the European Directive 2012/19/EU on Waste Electrical and Electronic Equipment and its transposition into national law, used electrical equipment must be collected separately and recycled in an environmentally sound manner.

Batteries and rechargeable batteries must not be disposed of with household waste. You are legally obliged to return used batteries and accumulators and can return them after use either at our sales outlet or in the immediate vicinity (e.g. in the trade or in municipal collection points) free of charge.

Batteries and accumulators are marked with a crossed-out dustbin and the chemical symbol of the pollutant, "Cd" stands for cadmium, "Hg" stands for mercury and "Pb" stands for lead.

Cd[1]   Hg[2]   Pb[3]

23 Technical data

Base station

Batteries	3x AAA, 1.5 V
Radio controlled signal	MSF
Maximum number of sensors	3
Temperature unit	°C / °F
Temperature measuring range	-0°C – 50°C
Humidity measuring range	20% to 90% RH

Humidity resolution	1% HR
Barometer measuring range	800 hPa to 1100 hPa (23.62 inHg to 32.49 inHg
Time display	HH:MM
Time format	12 or 24 hours
Dimensions	159 x 112 x 26 mm (W x H x D)
Weight	268 g (without batteries) 336 g (with batteries)

Remote sensor

Batteries	2x AAA, 1.5V
Transmission frequency	433 MHz
Transmission measuring range	30 m
Maximum radio-frequency power	under 10mW
Temperature unit	°C / °F
Temperature measuring range	-40°C – 70°C
Humidity measuring range	20% to 90% RH
Humidity resolution	1% HR
Dimensions	65 x 71 x 23 mm (W x H x D)
Weight	50 g (without batteries) 73g (with batteries)

24 Warranty

The regular warranty period is 2 years and starts on the day of purchase. To benefit from an extended voluntary warranty period as indicated on the gift box, registration on our website is required.

You can consult the full guarantee terms as well as information on extending the guarantee period and details of our services at **www.bresser.de/warranty_terms**.

25 EC declaration of conformity

$\mathsf{C}\,\mathsf{E}$ Bresser GmbH hereby declares that the radio equipment type with item number 9070110 is in compliance with Directive 2014/53/EU. The full text of the EC Declaration of Conformity is available at the following web address: www.bresser.de/download/9070110/CE/9070110_CE.pdf

26 UKCA declaration of conformity

UKCA A "Declaration of Conformity" in accordance with the applicable directives and relevant standards has been issued by Bresser GmbH The full text of the UKCA Declaration of Conformity is available at the following web address: www.bresser.de/download/9070110/UKCA/9070110_UKCA.pdf

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ES PT

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