



Weather Station ·

Comfort Weather Center 5in1

EN Instruction manual

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2 Validity note

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

7002550000000

Manual version: 0320

Manual designation:

Manual_7002550000000_Comfort-Weather-Center-5in1_en_BRESSER_v032020a

Always provide information when requesting service.

3 About this Instruction Manual



NOTICE

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

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

Keep this manual in a safe place for future reference. When the device is sold or given to someone else, the instruction manual must be provided to the new owner/user of the product.

4 General safety instructions



⚠ DANGER

Risk of electric shock

This device has electronic parts operated via a power source (power supply and/or batteries). Improper use of this product can cause an electric shock. An electric shock can cause serious or potentially fatal injuries. The following safety information must be observed at all times.

-
- Children must only use the device under adult supervision! Only use the device as described in the manual; otherwise, you run the risk of an electric shock.
 - Disconnect the device from the power supply by pulling the power plug when it is not used or in case of longer interruption of operation and before starting any work on maintenance and cleaning.
 - Position your device so that it can be disconnected from the power supply at any time. The power socket should be installed near the device and should be easily accessible as the mains cable plug is used to disconnect the device from the power supply.
 - To disconnect the device from the power supply, always pull on the plug. Never pull on the cable.
 - Before starting up the device, check the device, the cables and the connections for signs of damage.
 - Never use a damaged device or a device with damaged live parts. Damaged parts must be immediately replaced by an authorised service company.
 - Only use the device in complete dry environment and do not touch it with wet or moist parts of your body.



DANGER

Danger of suffocation!

Improper use of this product may result in suffocation, especially for children. It is therefore imperative that you observe the following safety information.

-
- Keep packaging materials (plastic bags, rubber bands, etc.) away from children! There is a DANGER OF CHOKING [These pose a CHOKING HAZZARD]
 - This product contains small parts that can be swallowed by children! There is a DANGER OF CHOKING [These pose a CHOKING HAZZARD]



DANGER

Risk of explosion

Improper use of this product can cause an explosion. The following safety information must be observed at all times to prevent an explosion.

-
- Do not expose the device to high temperatures. Use only the supplied power supply or the recommended batteries. Do not short-circuit the device or batteries or throw them into a fire! Excessive heat or improper handling could trigger a short circuit, a fire, or an explosion.



NOTICE

DANGER of material damage!

Improper handling may result in damage to the unit and/or accessories. Therefore, use the device only in accordance with the following safety information.

-
- Never disassemble the device. In the event of a fault, please contact your specialist retailer. The specialist retailer will contact the service centre and send the device for repair if necessary.
 - Do not expose the device to high temperatures and protect it from water and high humidity.
 - Do not immerse the unit in water!
 - Do not subject the device to excessive vibrations.
 - For this device only use accessories and spare parts that comply with the technical information.
 - Use only the recommended batteries. Always replace weak or empty batteries with a new, complete set of batteries at full capacity. Do not use batteries from different brands or with different capacities. Remove the batteries from the unit if it has not been used for a long time.
 - Never use rechargeable batteries.



NOTICE

Risk of voltage damage!

The manufacturer is not liable for voltage damage due to improperly inserted batteries or through the use of an improper power adapter!

5 Parts overview and scope of delivery

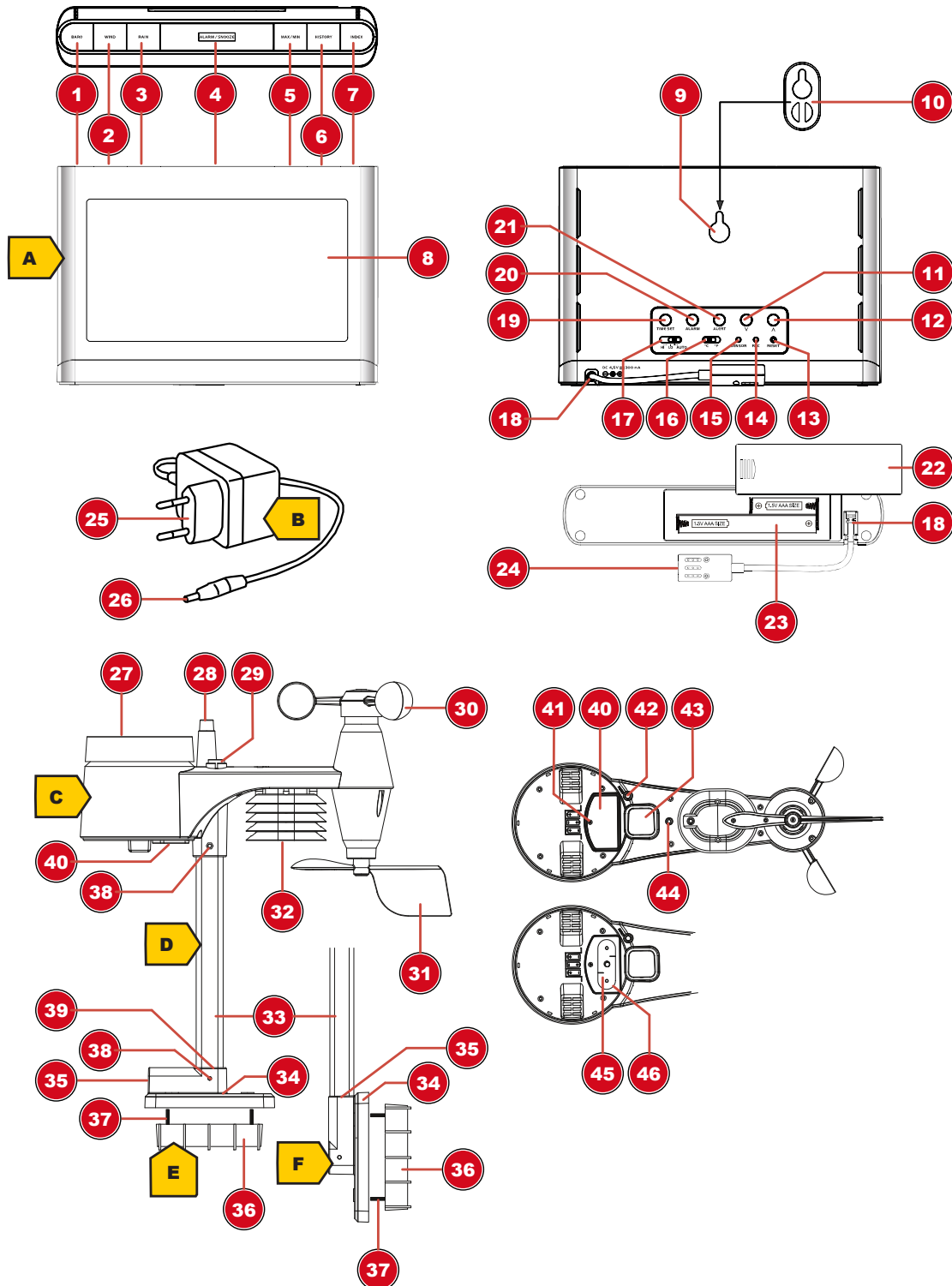


Illustration 1: Parts overview for base station (top) and remote sensor (bottom)

1 BARO button (display change between hPa, InHg or mmHg as well as barometric pressure type selection)	2 WIND button (display change between average and current gust)
3 RAIN button (display change between daily, weekly and monthly rainfall)	4 ALARM/SNOOZE button (snooze function)
5 MAX/MIN button (switch between highest, lowest or current value display)	6 HISTORY button (retrieve measurements for the past 24 hours)
7 INDEX button (display change between dew-point, heat index and wind chill)	8 Display
9 Wall mount	10 Wall mount adapter
11 DOWN button (Value setting downwards)	12 UP button (Value setting upwards)
13 RESET button (reset all settings)	14 RRC button (initializing time signal reception)
15 SENSOR button (initializing sensor data reception)	16 °C/°F switch (display change between °C or °F)
17 HI/LO/AUTO switch (display brightness)	18 Power output cable
19 TIME SET button	20 ALARM button
21 ALERT button	22 Battery compartment cover (base device)
23 Battery compartment (base device)	24 DC connection socket for coaxial/barrel connector
25 DC power adapter with EU mains plug.	26 DC coaxial/barrel connector
27 Funnel (rainfall measurement)	28 Antenna
29 Circular level (horizontal alignment)	30 Windmill (wind speed measurement)
31 Wind vane	32 Radiation shield
33 Assembly bar	34 Assembly base
35 Aperture for vertical mounting	36 Tube bracket
37 Mounting screw	38 Mounting screw and nut
39 Aperture for horizontal mounting	40 Battery compartment cover (Remote sensor)
41 Fixing screw (battery compartment cover)	42 RESET button (reset all settings)
43 Aperture for the assembly bar in sensor head	44 Function indicator (remote sensor)
45 Battery compartment (Remote sensor)	46 Sealing ring

Scope of delivery

Base device (A), Power adapter (B), Remote sensor (C), Assembly bar with 2 screws and 2 nuts (D), Tube bracket with 4 screws and 4 nuts (E), Assembly base (F)

Recommended batteries (not included)

3 pcs. Micro batteries (1.5V, AA type); 3 pcs. Mignon batteries (1.5V, AA type)

Also recommended (not included):

Small Philips screwdriver, 4 wood screws

6 Screen display

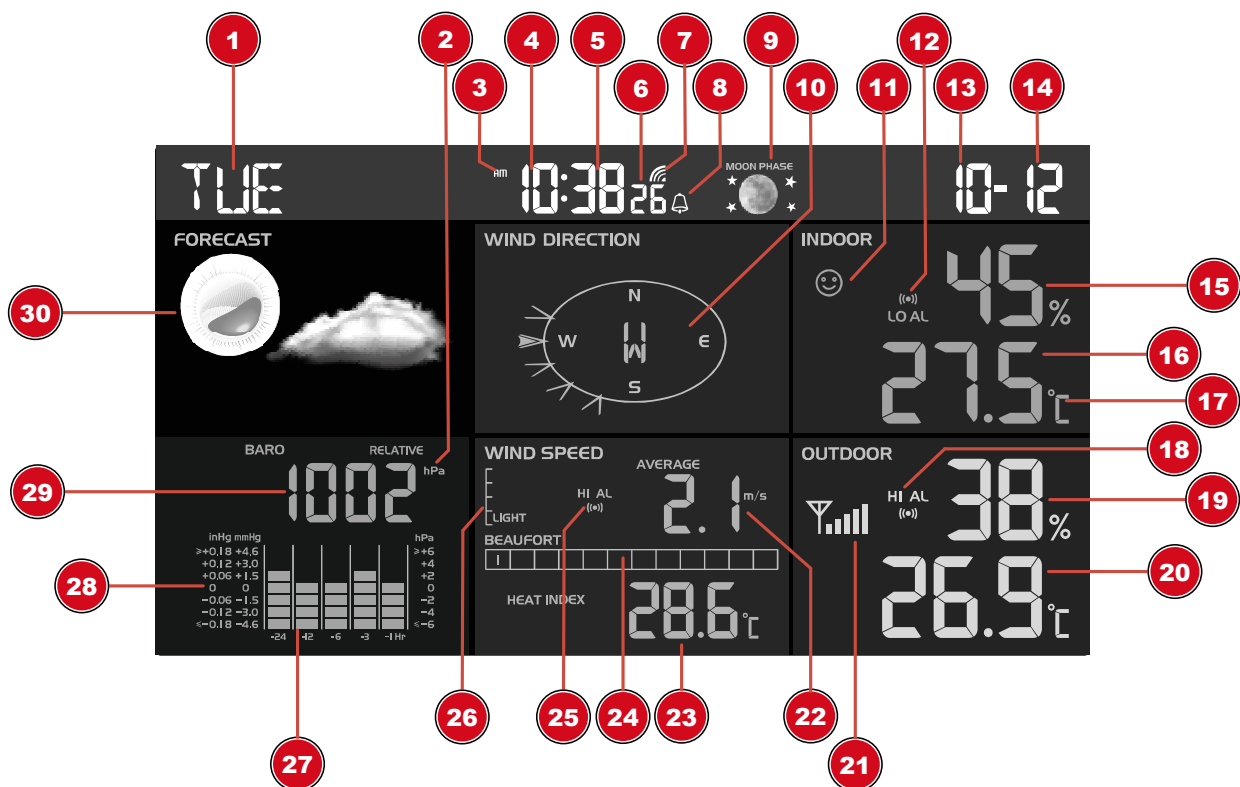


Illustration 2: Screen display for the base station

1 Weekday	2 Barometric pressure (hPa, inHg or mmHg)
3 AM/PM information in 12-hour time mode	4 Current time (hours)
5 Current time (minutes)	6 Current time (seconds)
7 Symbol for radio signal	8 Alarm symbol (bell)
9 Moon phase	10 Current wind direction
11 Climate indicator (indoor) (too cold, optimal, too warm)	12 Alarm symbol for high (HI AL) or low (LO AL) humidity (indoor)
13 Month	14 Day
15 Indoor humidity value	16 Temperature value (indoor)
17 Temperature unit (°C or °F selectable)	18 Alarm symbol for high (HI AL) or low (LO AL) humidity (outdoor)
19 Humidity value (outdoor)	20 Temperature value (outdoor)
21 Signal strength indicator	22 Wind speed value: average or last gust
23 Heat index	24 Beaufort scale
25 Alarm symbol for high (HI AL) wind speed	26 Wind speed scale
27 Atmospheric pressure history (24 hours)	28 Atmospheric pressure value history
29 Current atmospheric pressure	30 Graphical weather trend display

7 Before starting operation



NOTICE

Avoid connectivity disruptions!

To avoid connectivity disruptions between the devices, consider the following points before starting operation.

1. Place base station (receiver) and remote sensor (sender) together as close as possible.
2. Set up power supply for the base station and wait until the indoor temperature is displayed.
3. Set up power supply for the remote sensor.
4. Position the base station and the remote sensor within the effective transmission range.
5. Ensure that the base station and remote sensor are assigned to the same channel.

When changing batteries always change batteries in the main unit as well as all remote units and replace them in the correct order, so the remote connection can be re-established. If either of the devices is mains-powered, the power supply must be disconnected for a short moment also for this device when exchanging the batteries. If batteries are exchanged in only one of the devices (i.e. the remote sensor) the signal can't be received or can't be received correctly.

Note, that the effective range is vastly affected by building materials and position of the main and remote units. Due to external influences (various RC devices and other sources of interference), the maximum distance can be greatly reduced. In such cases we suggest to position the main unit and the remote sensor at other places. Sometimes all it takes is a relocation of one of these components of a few inches!

8 Setting up power supply

Base unit

1. Insert the DC connector into the connection socket of the base station.
2. Insert the mains plug into the power outlet.
3. The device is energized directly.
4. Wait until the indoor temperature is displayed on the base station.

NOTICE! For permanent operation, mains power supply is recommended. Alternatively a power supply with batteries is also possible. Proceed as follows:

5. Remove the battery compartment cover.
6. Insert the batteries into the battery compartment. Ensure that the battery polarity (+/-) is correct.
7. Replace the battery compartment cover.
8. Wait until the indoor temperature is displayed on the base station.

NOTICE! When switching from mains power supply to battery power supply or vice versa, the power supply is being disabled for a short moment for technical reasons. In this process all settings made previously, will be deleted.

Remote sensor

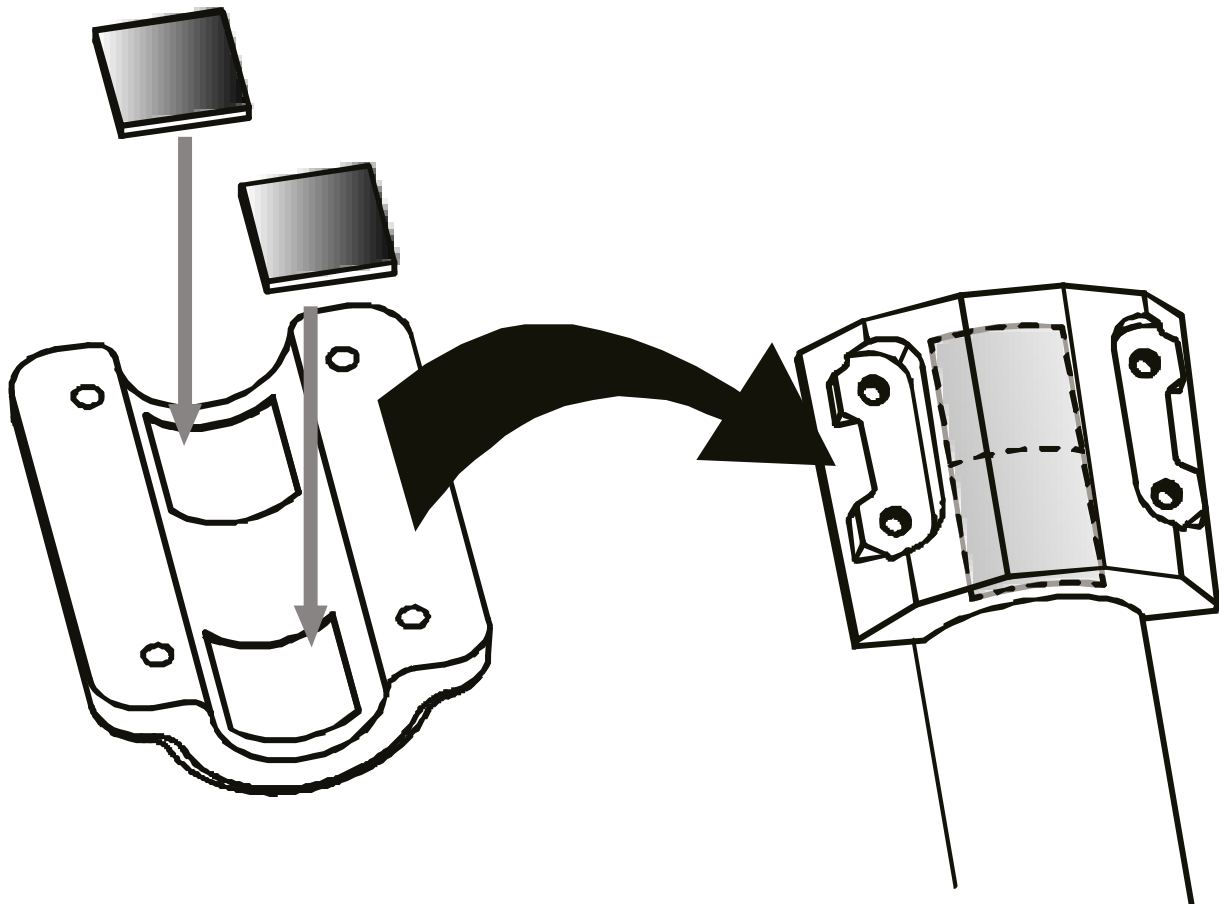
9. Loosen the screw at the battery compartment cover with a small Philips screwdriver and remove the cover.

NOTICE! Make sure not to lose the thin sealing ring when removing the battery compartment cover. It is an important protection against water infiltration and often adheres at the battery compartment cover.

10. Insert the batteries into the battery compartment. Ensure that the battery polarity (+/-) is correct.
11. Press RESET button. The function indicator lights up for a short moment.
12. Put the sealing ring back onto the edge of the battery compartment.

13. Replace the cover and retighten it with the screw.

9 Attaching rubber pads



Attach the supplied self-adhesive rubber pads to the clamps as shown to ensure a firmer fitting of the mounting rod.

10 Assembling and installing the multifunctional remote sensor

Depending on the desired location, the remote sensor can be installed in two different ways.

NOTICE! During the assembly make sure that the upper part of the wind vane is minimum 1.5 meters off the ground. Use the circular level in the sensor head to ensure a level installation. The windmill must point to the North.

Assembly on a vertical or horizontal wooden element

1. Slide one end of the assembly bar into the aperture below the sensor head.
2. Slide one screw through the bore hole and put on the nut on the opposite site. Tighten the screw connection by hand.
3. Depending on the desired orientation, slide the opposite end of the assembly bar into the aperture for vertical or horizontal mounting of the assembly base.
4. Slide another screw through the bore hole of the assembly base and put on the nut on the opposite site. Tighten the screw connection by hand.
5. Place the assembly base with its bottom site first on a wooden element. Use 4 wood screws to tighten it.

Assembly on a vertical or horizontal tube

6. Repeat steps 1 to 4 as before.
7. Place the assembly base with its bottom site first on the tube. Push the tube bracket against the tube from the opposite site.
8. Slide 4 screws through the bore holes of the assembly base and through the bore holes of the tube bracket on the other site.
9. Put on the 4 nuts and tighten the screw connection by hand.

11 Automatic time setting

After the power supply was established, the clock will automatically search for the radio signal. It takes about 3-8 minutes to complete this process.

If the radio signal is received correctly, the date and time will be set automatically and the radio control signal icon turns on.

If the clock fails to receive the time signal, go ahead with the following steps:

1. Press RCC button on the base station until radio signal symbol flashes.
2. If the device is still not receiving the signal, the time must be set manually.

Read the detailed manual for more information about manual time and alarm setting (see download information on page 2).

12 Manual time setting

To set the time / date manually, first disable the reception of the time signal by pressing the RCC button for approx. 8 seconds.

1. Press and hold CLOCK button for approx. 3 seconds to change to time setting mode.
2. Digits to be set are flashing.
3. Press UP or DOWN button to change the value.
4. Press CLOCK button to confirm and continue to the next setting.
5. Settings order: 12/24-hours mode > Hours > Minutes > Year > Month > Day > Time offset > Language > Daylight Saving Time (DST)
6. Finally press the CLOCK button to save the settings and exit the setting mode.

13 Alarm setting

Turn on/off Alarm clock (and Ice Alert function)

1. Press ALARM button to show the alarm time.
2. Press the ALARM button again to activate the alarm.
3. Press the ALARM button one more time to activate the alarm with ice alert.
4. With activated ice alert, the alarm will sound 30 minutes earlier if outside temperature is below -3° C.
5. To disable the alarm and ice alert, press the ALARM button until the alarm icons disappear.

Set Alarm time

6. Press and hold ALARM button for approx. 3 seconds to enter the alarm time setting mode.
7. Digits to be set are flashing.
8. Press UP or DOWN button to change the value.
9. Press ALARM button to confirm and continue to the next setting.
10. Settings order: Hours > Minutes

11. Finally press the ALARM button to save the settings and exit the setting mode.

14 Snooze function

1. When the alarm sound starts, press the ALARM/SNOOZE button to activate the Snooze function. The Alarm will sound again after 5 minutes.
2. When the alarm sound starts, press the ALARM button or press and hold the ALARM/SNOOZE button for approx. 3 seconds, to stop the alarm.
3. The alarm will be turned off automatically if no button is pressed within 2 minutes.

15 Receiving measurements automatically

Once the power supply is enabled, the base station will display the measurement readings. Readings from the remote sensor will be displayed within 3 minutes after powering it on.

Read the detailed manual for more information about readings (see download information on page 2).

16 Rainfall

The base station displays how many millimeters / inches of rainfall are accumulated over a time period, based on the current rainfall rate.

<div>RAINFALL</div> <div>HI AL LO AL DAILY WEEKLY MONTHLY</div> <div>882.8</div> <div>mm</div>	<div>RAINFALL</div> <div>HI AL LO AL DAILY WEEKLY MONTHLY</div> <div>820.6</div> <div>mm</div>	<div>RAINFALL</div> <div>HI AL LO AL DAILY WEEKLY MONTHLY</div> <div>868.2</div> <div>mm</div>	<div>RAINFALL</div> <div>HI AL LO AL DAILY WEEKLY MONTHLY</div> <div>8122.5</div> <div>mm</div>
Rainfall rate	Daily rainfall	Weekly rainfall	Monthly rainfall

Select display mode

Press the RAIN button several times until the desired time range is displayed:

RATE	Current rainfall rate in past hour
DAILY	Total rainfall rate within the current day, from midnight
WEEKLY	Total rainfall rate for current week
MONTHLY	Total rainfall rate for current month

Select rainfall measurement unit (millimeter or inch)

1. Press and hold RAINFALL button for approx. 3 seconds to change to setting mode.
2. Press UP or DOWN button to change between mm (millimeter) and in (inch).
3. Finally press the RAINFALL button to save the settings and exit the setting mode.

17 HI/LO Alert

HI/LO alert are used to alert you of certain weather conditions. Once activated, an alarm sound is triggered and the alert icon flashes as soon as a set value is reached. Supported areas and alarm types:

Area	Type of alert available
Indoor temperature	HI AL / LO AL
Indoor humidity	HI AL / LO AL
Outdoor temperature	HI AL / LO AL
Outdoor humidity	HI AL / LO AL
Rainfall (daily)	HI AL*
Wind speed	HI AL

HI AL = High alert / LO AL = Low alert

*Daily rainfall since midnight

HI/LO alert setting

1. Press ALERT button until the desired area is selected.
2. Press UP or DOWN button to change the value.
3. Press ALERT button to confirm and continue to the next setting.

Enable/Disable HI/LO Alert

4. Press ALERT button until the desired area is selected.
5. Press ALARM button, to activate the alarm.
6. Press ALERT button to confirm and continue to the next setting.

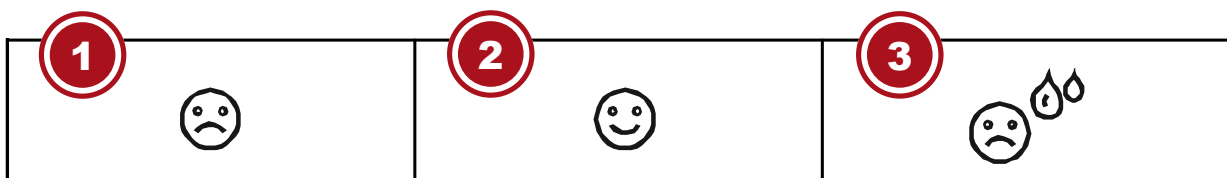
Note:

7. The unit will automatically exit setting mode in 5 seconds if no button is pressed.
8. When ALERT alarm is on, the area and type of alarm that triggered the alarm will be flashing and the alarm will sound for 2 minutes.
9. Press SNOOZE/LIGHT button when alarm sounds to interrupt the alarm. The alarm will then start again after 2 minutes.

Data clearing

10. Press and hold HISTORY button for approx. 3 seconds.
11. Press UP or DOWN button to choose YES or NO.
12. Press HISTORY button to confirm. This will clear out any rainfall data recorded before.

18 Clima indication (indoor)



1 too cold

2 comfortable

3 too warm

The clima indication is a pictorial indication based on indoor air temperature and humidity in an attempt to determine comfort level.

Note:

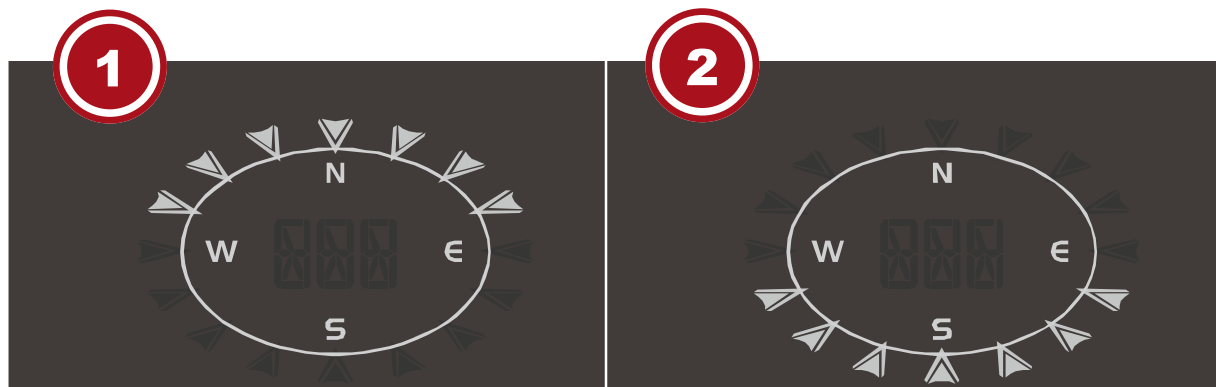
- Comfort indication can vary under the same temperature, depending on the humidity.
- There is no comfort indication when temperature is below 0° C (32° F) or over 60° C (140° F)

19 Data clearing

During installation of the outdoor sensor, the sensor could have been triggered, resulting in erroneous rainfall and wind measurements. After the installation user may clear all the erroneous data from the main unit without a need to reset the clock and re-establish pairing. Simply press and hold the HISTORY button for 10 seconds. This will clear out any data recorded before.

20 Pointing the sensor to the south

The sensor is calibrated to be pointing to North by default. However, in some cases, users may wish to install the product with the arrow pointing towards the South, especially for people living in the Southern hemisphere (e.g. Australia, New Zealand).



1 Northern hemisphere

2 Southern hemisphere

1. First install the outdoor sensor with its arrow pointing to the south. Please refer to "Installation" chapter for mounting details.
2. Press and hold the WIND button for approx. 8 seconds until the upper part (northern hemisphere) of the compass rose is blinking.
3. Press the UP or DOWN button to change to lower part (southern hemisphere).
4. Press the WIND button to confirm and exit.

Note:

Changing the hemisphere setting will automatically switch the direction of the moon phase on the display.

21 Moon phases

In the Northern hemisphere, the moon waxes from the right. Hence the sun-lit area of the moon moves from right to left in the Northern hemisphere, while in the Southern hemisphere, it moves from left to right. Below are the 2 tables which illustrate how the moon will appear on the main unit.

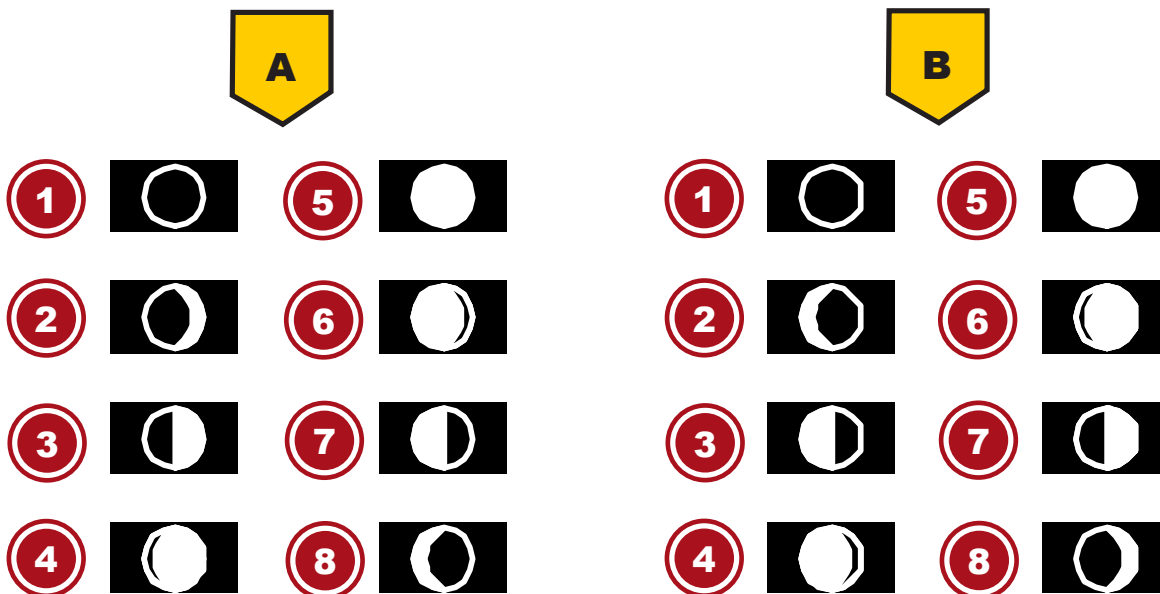


Illustration 3: (A) Northern hemisphere, (B) Southern hemisphere

1 New moon	2 Waxing crescent
3 First quarter	4 Waxing gibbous
5 Full moon	6 Waning gibbous
7 Third quarter	8 Waning crescent

22 Weather Trend

The weather station will calculate a weather trend for the next 12 hours on basis of the measured values.

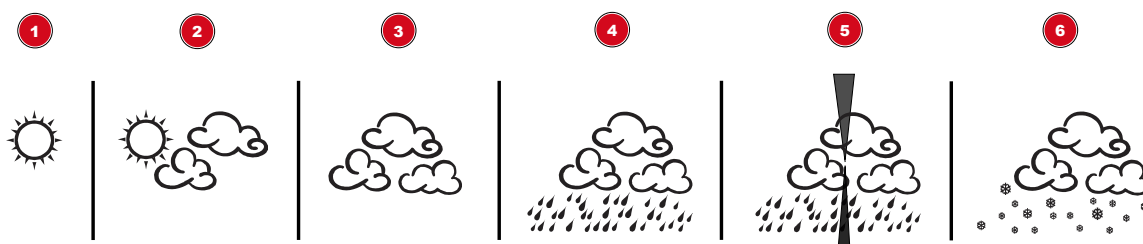


Illustration 4: Weather trend indicators

1 Sunny	2 Partly cloudy
3 Cloudy	4 Rain
5 Storm	6 Snow

23 Barometric / Atmospheric Pressure

Atmospheric Pressure is the pressure at any location on earth, caused by the weight of the column of air above it. One atmospheric pressure refers to the average pressure and gradually decreases as altitude increases. Meteorologists use barometers to measure atmospheric pressure. Since variation in atmospheric pressure is greatly affected by weather, it is possible to forecast the weather by measuring the changes in pressure.

1. Press the BARO button to enter the setting mode.
 2. Press the BARO button again, to change the unit between inHg / mmHg / hPa.
 3. Press the BARO button for 3 seconds to change between absolute and relative atmospheric pressure.
- ABSOLUTE: the absolute atmospheric pressure of your location.
 - RELATIVE: the relative atmospheric pressure based on the sea level.

Set relative atmospheric pressure value



4. Get the atmospheric pressure data of the sea level (it is also the relative atmospheric pressure data of your home area) through the local weather service, internet and other channels.
5. Hold the BARO button for approx. 3 seconds, until ABSOLUTE or RELATIVE flashes.
6. Press the UP or DOWN button to switch to RELATIVE mode.
7. Press the BARO button again, and the number for RELATIVE flashes.
8. Press UP or DOWN button to change the value.
9. Press the BARO button to save and exit the setting mode.

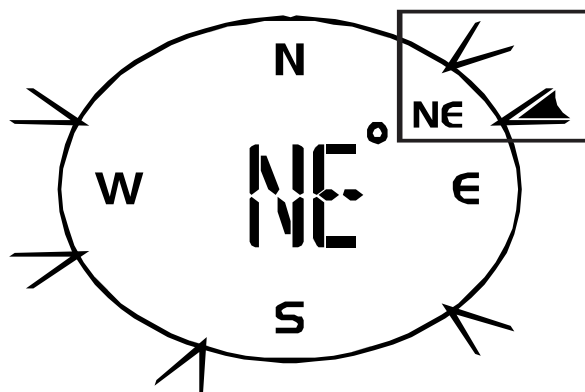
NOTE

10. The default relative atmospheric pressure value is 1013 mb/hPa (29.91 inHg), which refers to the average atmospheric pressure.
11. When you change the relative atmospheric pressure value, the weather indicators will change along with it.
12. The built-in barometer can notice the environmental absolute atmospheric pressure changes. Based on the data collected, it can predict the weather conditions in the forthcoming 12 hours. Therefore, the weather indicators will change according to the detected absolute atmospheric pressure after you operate the clock for 1 hour.
13. The relative atmospheric pressure is based on the sea level, but it will change with the absolute atmospheric pressure changes after operating the clock for 1 hour.

24 Wind speed and direction

Reading the wind direction

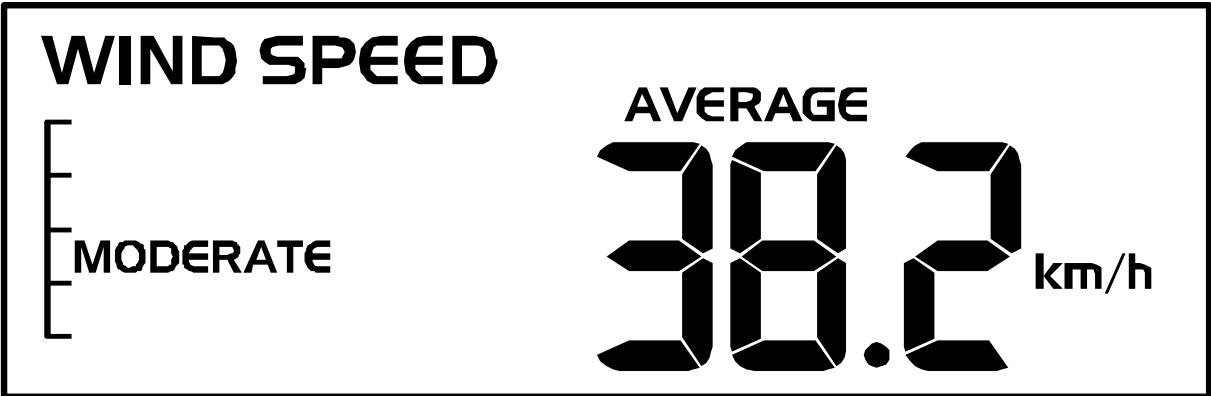
Wind direction indicator	Meaning
	Real-time wind direction
	Wind directions appeared in the last 5 minutes (max. 6)



Select display mode

Press the WIND button several times until the desired rate is displayed:

- **AVERAGE:** average of all wind speed numbers recorded in the previous 30 seconds
- **GUST:** highest wind speed (gust) recorded from last reading



The wind level provides a quick reference on the wind condition and is indicated by a series of text icons:

Wind level	LIGHT	MODERATE	STRONG	STORM
Speed	1 – 19 km/h	20 – 49 km/h	50 – 88 km/h	> 88 km/h

Select wind speed unit

1. Press the WIND button for approx. 3 seconds to enter the setting mode.
2. Press the UP or DOWN button to change the unit between mph (miles per hour), m/s (miles per second), km/h (kilometer per hour) or knots.
3. Press the WIND button to save the settings and exit the setting mode.

25 Beaufort scale

The Beaufort scale is an international scale of wind velocities from 0 (calm) to 12 (Hurricane force).

Beaufort number	Description	Speed
0	calm	< 1 km/h < 1 mph < 1 knots < 0.3 m/s
1	light air	1.1-5.5 km/h 1-3 mph 1-3 knots 0.3-1.5 m/s
2	light breeze	5.6-11 km/h 4-7 mph 1-3 knots 0.3-1.5 m/s
3	gentle breeze	12-19 km/h 8-12 mph 7-10 knots 3.5-5.4 m/s
4	moderate breeze	20-28 km/h 13-17 mph 11-16 knots 5.5-7.9 m/s
5	fresh breeze	29-38 km/h 18-24 mph 17-21 knots 8.0-10.7 m/s
6	strong gale	39-49 km/h 25-30 mph 22-27 knots 10.8-13.8 m/s
7	high wind	50-61 km/h 31-38 mph 28-33 knots 13.9-17.1 m/s

8	gale	62-74 km/h 39-46 mph 34-40 knots 17.2-20.7 m/s
9	strong gale	75-88 km/h 47-54 mph 41-47 knots 20.8-24.4 m/s
10	storm	89-102 km/h 55-63 mph 48-55 knots 24.5-28.4 m/s
11	violent storm	103-117 km/h 64-73 mph 56-63 knots 28.5-32.6 m/s
12	hurricane force	> 118 > 74 mph > 64 knots 32.7 m/s

26 Wind chill factor

Press the INDEX button several times until WIND CHILL is displayed.

Note:

The wind chill factor is based on the common effects of temperature and wind speed. The displayed wind chill is calculated solely from temperature and wind speed and is measured by the outdoor sensor.

27 'Feels like' temperature

The 'feels like' temperature corresponds on the outside temperature perceived by the human body. It is a collective mix of wind chill factor (18°C/64°F or lower) and heat index (26°C/78°F or higher). At temperatures in the range between 18°C/64°F and 26°C/78°F, where both wind and humidity have less influence on the temperature, the unit displays the actual measured outdoor temperature as the 'feels like' temperature.

The following graph illustrates the increasing danger to the human organism when the heat index or wind chill increases.

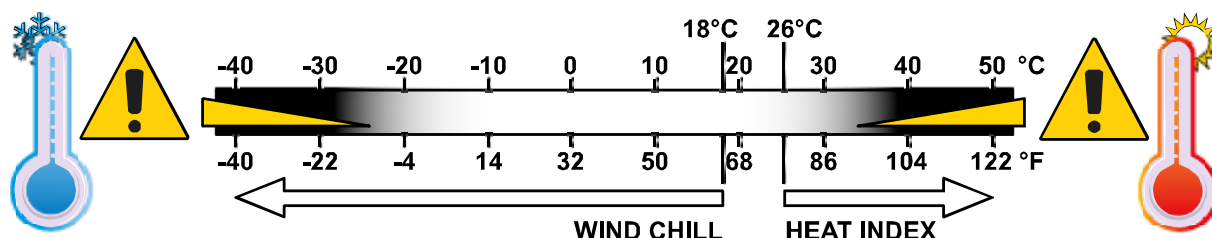


Illustration 5: Proportionality of heat index and wind chill.

28 Heat index

Press the INDEX button several times until HEAT INDEX is displayed.

Heat index	Warning	Meaning
> 55° C (> 130° F)	Extreme danger	Strong risk of dehydration / sun stroke
41° C – 54° C (106° F – 129° F)	Danger	Heat exhaustion likely
33° C – 40° C (91° F – 105° F)	Extreme caution	Possibility of dehydration
27° C – 32° C (80° F – 90° F)	Caution	Possibility of heat exhaustion

Notice:

The perceived temperature is based on the common effects of temperature and humidity. Heat index is only calculated when room temperature is at 27° (80° F) or higher. The displayed perceived temperature is calculated solely from temperature and humidity and is measured by the outdoor sensor.

29 Dew point

Press the INDEX button several times until DEW POINT is displayed.

Note:

The dew point is the temperature below which the water vapor in air at constant barometric pressure condenses into liquid water at the same rate at which it evaporates. The condensed water is called dew when it forms on a solid surface. The dewpoint temperature is calculated from the indoor temperature and humidity measured at the main unit.

30 History record for the past 24 hours

The base station automatically records and displays data of the past 24 hours.

1. Press the HISTORY button to check history records of the last hour.
2. Press the HISTORY button several times to display the history records of the hours 2,3,4,5

31 MAX/MIN Weather data

The base station preserves the MAX/MIN weather data records until the next manual reset. To retrieve the data:

1. Press MAX/MIN button several times to display the stored values one after another.
2. Display order: Outdoor max temperature > Outdoor min temperature > Outdoor max humidity > Outdoor min humidity > Indoor max temperature > Indoor min temperature > Indoor max humidity > Indoor min humidity > Outdoor max wind chill > Outdoor min wind chill > Outdoor max heat index > Outdoor min heat index > max dew point > min dew point > max pressure > min pressure > max average > max gust > max rainfall
3. Press MAX/MIN button for approx. 2 seconds to delete all saved values.

32 Technical data

Power supply	DC 4.5V 300 mA mains plug Type: YJ02-G0450300D
Backup battery	3x AAA, 1.5V
Temperature measuring range	-5°C to 50°C
Dimensions	202 x 138 x 38 mm
Weight	530 g

Table 1: Base station

Batteries	3x AA, 1.5V
RF Übertragungsfrequenz	868 Mhz
RF Übertragungsbereich	150 m
Maximum radio-frequency power	< 25 mW
Temperature measuring range	-40°C to 80°C (-40°F to 176°F)
Barometer measuring range	540 to 1100hPa
Humidity measuring range	20% to 90% RH

Humidity resolution	1% HR
Rainfall measuring range	0 to 9999 mm (0 to 393.7 inch)
Wind speed measuring range	0 to 112 mph, 50 m/s, 180 km/h, 97 knots
Dimensions	343.5 x 393.5 x 136 mm
Weight	673 g

Table 2: Multisensor

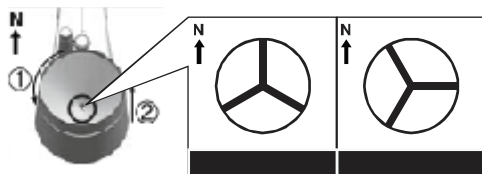
33 EC Declaration of Conformity

Hereby, Bresser GmbH declares that the equipment type with item number 7002550000000 : is in compliance with Directive: 2014/30/EU. The full text of the EU declaration of conformity is available at the following internet address: www.bresser.de/download/7002550000000/CE/7002550000000_CE.pdf

34 Cleaning and maintenance

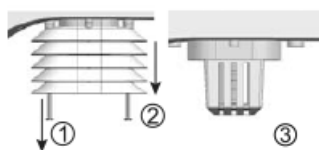
- Before cleaning the device, disconnect it from the power supply (remove plug or remove batteries)!
- Only clean the device externally using a dry cloth. Do not use cleaning solution to prevent damage to the electronic parts.

Cleaning the rain collector (sinkhole)



1. Rotate the rain collector by 30° anticlockwise.
2. Gently remove the rain collector
3. Clean and remove any debris or insects.
4. Install all parts when they are fully clean and dried.

Cleaning the thermo/hygro sensor



5. Unscrew the 2 screws at the bottom of the radiation shield.
6. Gently pull out the shield.
7. Remove carefully any dirt or insects inside the sensor casing.

Note

The radiation shield comprises different parts inserted one inside another. Two bottom parts are closed. Do not change their order! Do not let the sensors inside get wet!

- Clean the shield with water and remove any dirt or insects.
- Install all the parts back when they are fully clean and dried.

35 Disposal



Dispose of the packaging materials properly, according to their type, such as paper or cardboard. Contact your local waste-disposal service or environmental authority for information on the proper disposal.



Do not dispose of electronic devices in the household garbage!

As per Directive 2012/19/EC of the European Parliament on waste electrical and electronic equipment and its adaptation into German law, used electronic devices must be collected separately and recycled in an environmentally friendly manner.



Do not dispose of batteries and rechargeable batteries with the household waste. You are legally required to return used batteries and rechargeable batteries. After they are used, the batteries can be returned free of charge to our point of sale or to a nearby location (for example, retailers or municipal collecting points).

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



Cd¹



Hg²



Pb³

36 Warranty

The regular guarantee period is 2 years and begins on the day of purchase. To benefit from an extended voluntary guarantee period as stated 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**.

Service

DE AT CH BE

Bei Fragen zum Produkt und eventuellen Reklamationen nehmen Sie bitte zunächst mit dem Service-Center Kontakt auf, vorzugsweise per E-Mail.

E-Mail: service@bresser.de
Telefon*: +49 28 72 80 74 210

BRESSER GmbH
Kundenservice
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46414 Rhede
Deutschland

*Lokale Rufnummer in Deutschland (Die Höhe der Gebühren je Telefonat ist abhängig vom Tarif Ihres Telefonanbieters); Anrufe aus dem Ausland sind mit höheren Kosten verbunden.

GB IE

Please contact the service centre first for any questions regarding the product or claims, preferably by e-mail.

e-mail: service@bresseruk.com
Telephone*: +44 1342 837 098

BRESSER UK Ltd
Suite G3, Eden House
Enterprise Way
Edenbridge, Kent TN8 6HF
United Kingdom

*Number charged at local rates in the UK (the amount you will be charged per phone call will depend on the tariff of your phone provider); calls from abroad will involve higher costs.

FR BE

Si vous avez des questions concernant ce produit ou en cas de réclamations, veuillez prendre contact avec notre centre de services (de préférence via e-mail).

e-mail: sav@bresser.fr
Téléphone*: 00 800 6343 7000

BRESSER France SARL
Pôle d'Activités de Nicopolis
260, rue des Romarins
83170 Brignoles
France

*Prix d'un appel local depuis la France ou Belgique

NL BE

Als u met betrekking tot het product vragen of eventuele klachten heeft kunt u contact opnemen met het service centrum (bij voorkeur per e-mail).

e-mail: info@folux.nl
Téléfono*: +31 528 23 24 76

Folux B.V.
Smirnoffstraat 8
7903 AX Hoogeveen
Nederlands

*Het telefoonnummer wordt in het Nederland tegen lokaal tarief in rekening gebracht. Het bedrag dat u per gesprek in rekening gebracht zal worden, is afhankelijk van het tarief van uw telefoon provider; gesprekken vanuit het buitenland zullen hogere kosten met zich meebrengen.

ES PT

Si desea formular alguna pregunta sobre el producto o alguna eventual reclamación, le rogamos que se ponga en contacto con el centro de servicio técnico (de preferencia por e-mail).

e-mail: servicio.iberia@bresser-iberia.es
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*Número local de España (el importe de cada llamada telefónica dependen de las tarifas de los distribuidores); Las llamadas des del extranjero están ligadas a costes suplementarios.