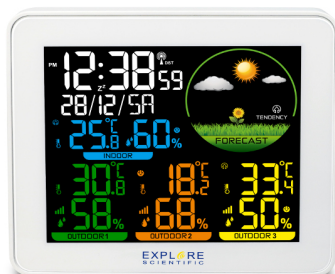


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EXPLORE SCIENTIFIC WSH4005 Colour Weather Station with Multiple Sensors Instruction Manual

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SCIENTIFIC WSH4005 Colour Weather Station with
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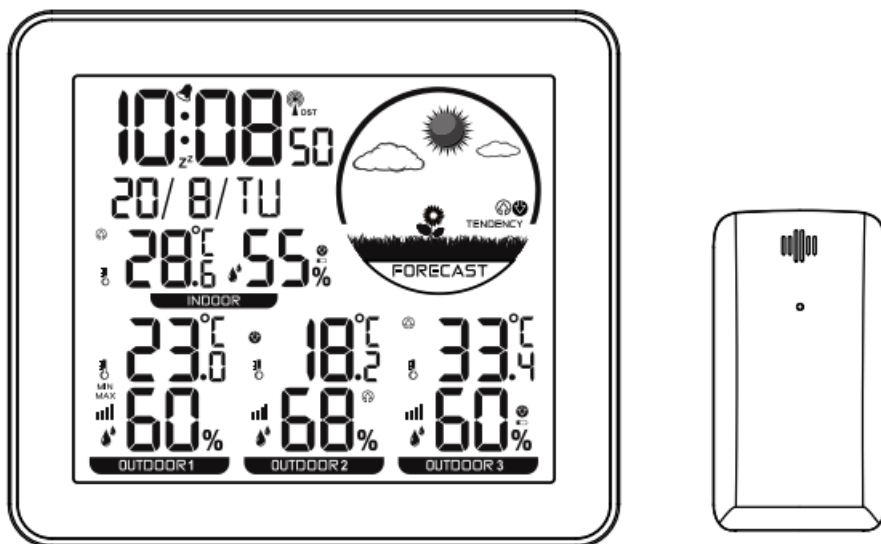
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**EXPLORE SCIENTIFIC WSH4005 Colour Weather Station with Multiple Sensors Instruction
Manual**



ABOUT THIS INSTRUCTION MANUAL



These operating instructions are to be considered a component of the device. Please read the safety instructions and the operating instructions carefully before use. Keep these instructions for renewed use at a later date. When the device is sold or given to someone else, the instruction manual must be provided to the new owner/user of the product. The device is intended only for indoor use.

GENERAL WARNINGS

- **Risk of electric shock** — This device contains electronic components. Only use the device as described in the manual; otherwise, you run the risk of an electric shock.
- **Choking hazard** — Children should only use the device under adult supervision. Keep packaging material, like plastic bags and rubber bands, out of the reach of children, as these materials pose a choking hazard.
- **Risk of chemical burn** — Keep batteries out of the reach of children! Make sure you insert the batteries correctly. Leaking battery acid can lead to chemical burns. Avoid contact of battery acid with skin, eyes and mucous membranes. In the event of contact, rinse the affected region immediately with a plenty of water and seek medical attention.
- **Risk of fire/explosion** — Do not expose the device to high temperatures. Use only 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.
- Do not disassemble the device. In the event of a defect, please contact your dealer. The dealer will contact the Service Centre and can send the device in to be repaired, if necessary.
- 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. The batteries should be removed from the unit if it has not been used for a long time.

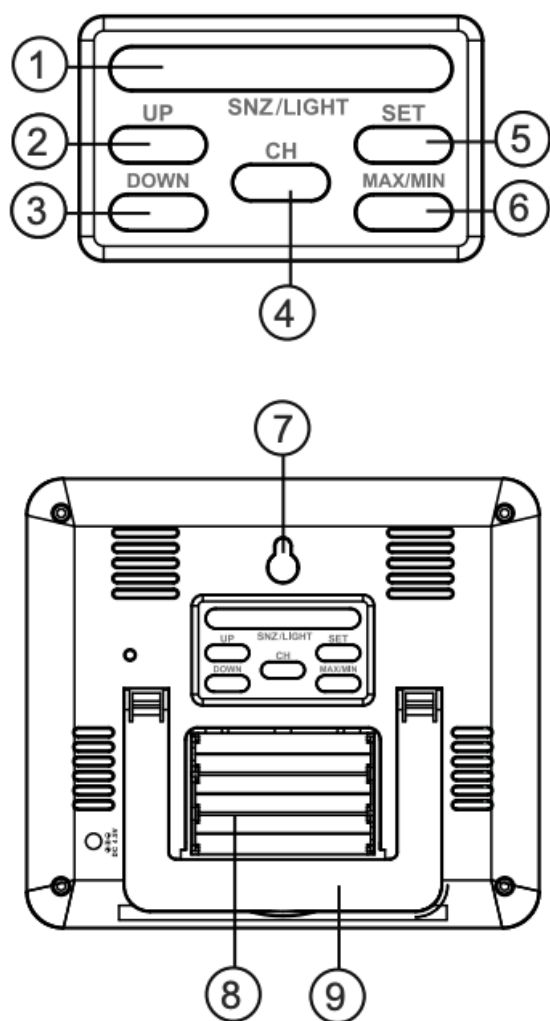
SCOPE OF DELIVERY

Weather station, 3x Outdoor sensors, Operating instructions, DC 5V 150 mA Adapter, 9x AAA batteries.

BEFORE YOU BEGIN

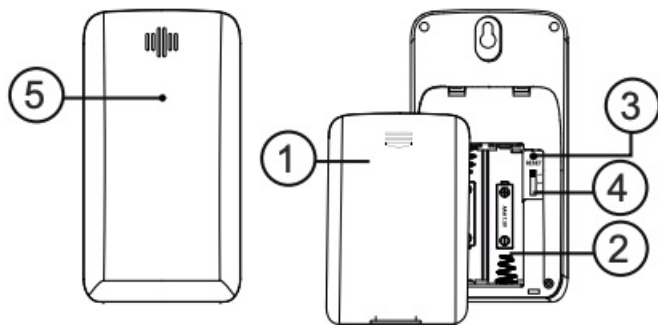
- We recommend using alkaline batteries. If temperatures regularly fall below 0°C (32°F), we recommend using lithium batteries.
- Avoid using rechargeable batteries. (Rechargeable batteries cannot maintain correct power requirements.)
- Insert batteries before first use, matching the polarity in the battery compartment. 3x AAA Batteries are required for the Weather station and 2x AAA Batteries are required for the Outdoor sensor.

PRODUCT OVERVIEW



1. Press [SNZ / LIGHT] to activate and adjust the backlight or to activate the snooze function to delay the alarm for 5 minutes.
2. While in normal display, press [UP] to select °C or °F. While in setting mode, press [UP] to increase one unit, press and hold to increase rapidly.
3. While in normal display mode, press and hold [DOWN] to initiate or exit RCC receiving. While in setting mode, press [DOWN] to decrease one unit, press and hold to decrease rapidly.
4. Press and hold [CH] to clear present channel.
5. While in normal display, press [SET] to display alarm time, then press and hold [SET] to enter alarm setting mode. While in time display mode, press and hold [SET] to enter time setting mode.
6. Press [MAX/MIN] once to check max. and min. temperature and humidity. While displaying max. and min. data, press and hold [MAX/MIN] to clear all memory.
7. Wall Mount.
8. Battery compartment.
9. Table stand.






OUTDOOR SENSOR

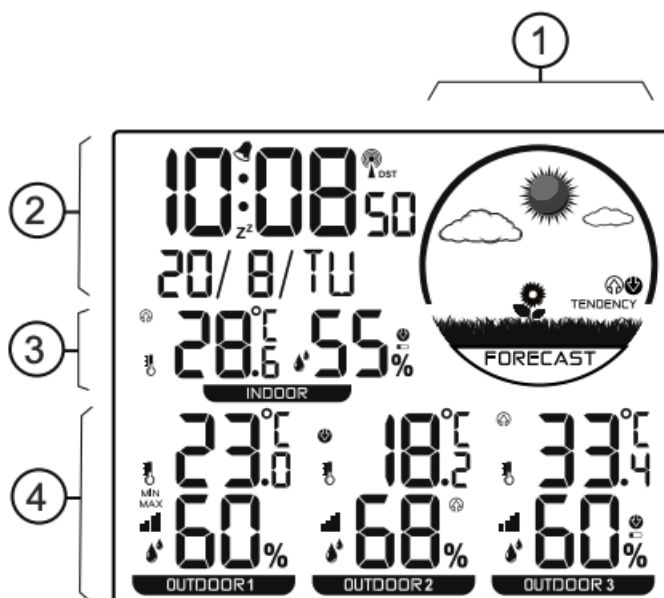


1. Battery compartment door.
2. Battery compartment.
3. RESET button (reset all settings).
4. Channel switch.
5. Data transmission light

BUTTON MODE		SNZ/LIGHT	UP	DOWN	CH	SET	MAX/MIN
Standard mode	PRESS	Turn on backlight. SNOOZE when alarm is ringing.	Select °C or °F	_____	_____	Check alarm time	Check max. and min. temperature
	HOLD	_____	_____	Initiate or exit RCC receiving	Clear present channel	Enter into setting mode	Clear all memory when display max. and min. data
Time setting mode	PRESS	_____	Decrease	Increase	_____	Confirm setting	_____
	HOLD	_____	Quick Decrease	Quick Increase	_____	_____	_____
Alarm setting mode	PRESS	_____	Decrease	Increase	_____	Confirm setting	_____
	HOLD	_____	Quick Decrease	Quick Increase	_____	_____	_____

LCD DISPLAY

- [] Alarm
- [] RCC signal indicator
- [] Trend indicator
- [] Low battery indicator
- [] RF Indicator




1. Weather Forecast display
2. Time/Alarm and Calendar display
3. Indoor Temperature and Humidity display
4. Outdoor Temperature and Humidity display

GETTING STARTED

INSERT BATTERIES

1. Remove the battery door from the back.
2. Insert 3x AAA (LR03)/1.5V batteries. Please ensure the polarities (+/-) of the batteries match upon installation.
3. Reattach the battery door.


NOTE: Replace batteries when [] when the display is dim.

OUTDOOR SENSOR

The main unit can receive data from up to 3 outdoor sensors. 3 sensors are included with delivery.

1. Remove the battery door from the back.
2. Select a channel.
3. Insert 2x AAA (LR03)/1.5V batteries. Please ensure the polarities (+/-) of the batteries match upon installation.
4. Reattach the battery door.
5. Place the sensor within 30 m (98 ft) of the main unit using the table stand or wall mount.

TO SEARCH FOR A SENSOR:

The main unit will automatically search for a new sensor after the batteries are installed. The receiving process is 3 minutes. During receiving process, the antenna icon [] is flashing. Once receive signal, monitor will receive the outdoor temperature and humidity at the same time.

Press and hold [CH] to re-register RF data.



If RF registration failed or missed for more than 1 hour, the data will flash “-.-”.

To manually initiate an outdoor sensor search, press and hold [CH].

NOTE: The transmission range may vary depending on many factors. You may need to experiment with various locations to get the best results.

CLOCK

CLOCK RECEPTION

1. When you insert or replace the batteries, RCC reception is initiated. To manually start RCC reception, press and hold the [DOWN] button.
2. After the RCC receives the signal, if you change the relevant display settings (such as year, month, day, hour, minute, etc.), the RCC symbol [] will automatically disappear.
3. If the RCC receiving process is successful, a completed RCC symbol [] will be shown in the display and the date and time will be set automatically. If it fails, press and hold the [DOWN] button to re-initiate RCC receiving.
4. RCC receiving will automatically start from 1:00 – 5:00 every night. Auto receiving function will cease if it is successful. If it does not receive the RCC signal, it will receive in next day.
5. If the device is still not receiving the signal, please proceed to set the time manually.

SET THE CLOCK MANUALLY

1. Press and hold [SET] button to enter into time and date setting.
2. The setting parameter will flash.
3. Press [UP] button once, the figure will increase 1 unit. Press and hold the [UP] button, the figures will increase rapidly.
4. Press [DOWN] button once, the figure will decrease 1 unit. Press and hold the [DOWN] button, the figures will decrease rapidly.
5. Press [SET] button to confirm setting and enter to next parameter.
6. Sequence of setting: Time Zone → Hour → Minute → Year → Month → Day → 12/24HR → Exit
7. If there is no action in 20 seconds or if you press [SET] button, the setting will be saved and you will exit the setting mode.

°C/°F SETTING

Press [UP] button to switch Celsius (°C) / Fahrenheit (°F).

ALARM

SETTING/ADJUSTING ALARM TIME

1. Press [SET] to display the alarm time.
2. Press and hold [SET] button to enter alarm setting mode.
3. The setting parameter will flash.
4. Press [UP] or [DOWN] button to set the desired data.
5. Sequence of setting: Hour → Minute → Exit.
6. Press [SET] button to confirm setting and exit.
7. Alarm will turn on automatically when alarm setting is finished. Alarm time is 2 minutes.

TURN ON/OFF ALARM

Press [SET] to display the alarm time. Press the [UP] or [DOWN] button to turn on/off the alarm.

SNOOZE FUNCTION

1. At the set time, alarm signal rings.
2. During the alarm, press the [SNZ / LIGHT] button to delay the alarm by 5 minutes.
3. To stop the alarm, press any other button, except for [SNZ / LIGHT] button.
4. The alarm will start again at the next alarm time, unless you turn off the alarm function by pressing the [SET] button to display the alarm time first, then press the [UP] or [DOWN] button until the alarm is set to off.

WEEK DISPLAY

The first two letters are displayed.

SU MO TU WE TH FR SA


TEMPERATURE AND HUMIDITY


The indoor temperature is always displayed in the right bottom corner of the screen. To receive outdoor temperature you can connect up to 3 outdoor sensors to the main unit.

MANUAL MEASUREMENT DISPLAY

1. Press [MAX/MIN] button to display the max. and min. temperature.
2. Display order: Current values > MAX (highest values) > MIN (lowest values)
3. When displaying highest or lowest values, press and hold [MAX/MIN] button to delete all saved values.

TEMPERATURE TREND INDICATION




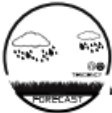


When the temperature rises by 1°C / 2°F, the up arrow icon [] appears.

When the temperature drops by 1°C / 2°F, the down arrow icon [] appears.

NOTE: The trend compares the current data with the data measured 3 hours before. Data is recorded every 30 minutes.

WEATHER FORECAST

This device calculates a weather forecast for the next 12 hours on basis of the measured values. It has 6 kinds of dynamic weather forecast.

SYMBOL	DESCRIPTION
	Sunny
	Partly Sunny
	Cloudy
	Rainy
	Stormy
	Snowy

BACKLIGHT

When operate with batteries, press [SNZ / LIGHT] to activate backlight for 10 seconds to HIGH light. When connect with adapter, plug in the adapter to switch on the backlight to HIGH light. Press [SNZ / LIGHT] to adjust the backlight brightness: HIGH → LOW → OFF → HIGH

SPECIFICATIONS

MAIN UNIT

Dimensions

141 x 21 x 124 mm (L x W x H)

Weight

230 g (Exclude batteries)

Power:

DC 5V 150 mA adaptor

3x AAA (LR03) 1.5V batteries

TEMPERATURE

Indoor temperature display range:

0°C to +50°C (32°F to 122°F)

Outdoor temperature display range:

-40°C to +70°C (-40°F to 158°F)

HUMIDITY

Indoor/outdoor humidity range:

20% – 99% RH

OUTDOOR SENSOR

Dimensions:

51 x 39,5 x 95 mm (L x W x H)

Weight:

45 g (Exclude batteries)

Transmission range:

30 m (98 ft)

Temperature range:

-40°C to +70°C (-40°F to 158°F)

Signal frequency:

433 MHz

Maximum transmission power:

under 10mW

Power:

2x AAA (LR03) 1.5V batteries

EC DECLARATION OF CONFORMITY



Hereby, Explore Scientific GmbH declares that the equipment type with part number: WSH4005 is in compliance with Directive: 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

www.bresser.de/download/WSH4005/CE/WSH4005_CE.pdf

RCM DECLARATION OF CONFORMITY



The product complies with electrical safety, EMC and radio spectrum regulatory requirements for products supplied to the Australia or New Zealand market.

NOTES ON CLEANING

- Remove the batteries before cleaning.
- Only use a dry cloth to clean the exterior of the device. To avoid damaging the electronics, do not use any cleaning fluid.
- Protect the device from dust and moisture.

DISPOSAL



Dispose of the packaging materials properly, according to their type, such as paper or card board. 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 the Directive 2002/96/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.



In accordance with the regulations concerning batteries and rechargeable batteries, disposing of them in the normal household waste is explicitly forbidden. Please make sure to dispose of your used batteries as required by law — at a local collection point or in the retail market. Disposal in domestic waste violates the Battery Directive. Batteries that contain toxins are marked with a sign and a chemical symbol.



Cd¹



Hg²



Pb³

¹ battery contains cadmium

² battery contains mercury

³ battery contains lead

WARRANTY & SERVICE

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.

Would you like detailed instructions for this product in a particular language? Then visit our website via the link below (QR code) for available versions.

Alternatively you can also send an email to manuals@bresser.de or leave a message on +49 (0) 28 72 – 80 74-220*. Please always state your name, precise address, a valid phone number and email address, as well as the article number and name.

*Number charged at local rates in Germany (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.

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MANUAL DOWNLOAD:

www.bresser.de/download/WSH4005

SERVICE AND WARRANTY:



www.bresser.de/warranty_terms



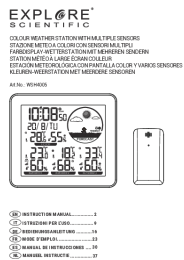
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Documents / Resources



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Instruction Manual

WSH4005, Colour Weather Station with Multiple Sensors, Multiple Sensors, Colour Weather Station, Weather Station

References

- [Bresser | Startseite | Expand Your Horizon mit BRESSER](#)
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