Weather Station ·

PC Weather Station with multifunction sensor

EN Instruction manual
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1 Imprint

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If you wish to submit a warranty claim or service request, please refer to the “Warranty” and “Service” information in this document. Please be aware that any requests or submissions sent directly to the manufacturer cannot be processed.

Errors excepted. Subject to technical modifications.

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2 Validity information

This documentation is valid for the products with the article numbers listed below:
7002570

Manual version: v0219

Manual description:
Manual_7002570_PC-Weather-Station_en_BRESSER_v022019a

With any service inquiries, please state these information.

3 About this Instruction Manual

NOTICE

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.
4 Parts overview Multisensor

1 Wind vane
2 Wind cups (Anemometer)
3 Antenna
4 Radiation shield
5 Mounting hole for vertical mounting pole (pipe diameter: 35-40 mm)
6 Hygro-Thermal sensor
7 Battery compartment door
8 RESET button
9 Function indicator
10 Circular level
11 Rain collector (sinkhole)
12 UV Sensor
13
5 Parts overview Base station and Scope of delivery

Illustration 1: All parts of the base station

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Display</td>
</tr>
<tr>
<td>2</td>
<td>Housing</td>
</tr>
<tr>
<td>3</td>
<td>SNOOZE/LIGHT button (snooze function and temporary background lighting)</td>
</tr>
<tr>
<td>4</td>
<td>CHANNEL button (channel selection)</td>
</tr>
<tr>
<td>5</td>
<td>GRAPH/UP button (normal display: bar chart for history data/settings: value change upwards)</td>
</tr>
<tr>
<td>6</td>
<td>HISTORY/DOWN button (normal display: single values of history data/settings: value change downwards)</td>
</tr>
<tr>
<td>7</td>
<td>MAX/MIN button (switch between highest, lowest or current value display)</td>
</tr>
<tr>
<td>8</td>
<td>BARO button (display of different atmospheric pressure values)</td>
</tr>
<tr>
<td>9</td>
<td>WIND button (display change between average and current gust)</td>
</tr>
<tr>
<td>10</td>
<td>RAIN button (display change between daily, weekly and monthly rainfall)</td>
</tr>
<tr>
<td>11</td>
<td>INDEX button (change between dew point, heat index and wind chill index display)</td>
</tr>
<tr>
<td>12</td>
<td>microUSB slot (connecting with a PC* using the included USB cable)</td>
</tr>
<tr>
<td>13</td>
<td>Wall mount fixture</td>
</tr>
<tr>
<td>14</td>
<td>ALARM button (alarm time setting or display change)</td>
</tr>
<tr>
<td>15</td>
<td>ALERT button (temperature setting or display change)</td>
</tr>
<tr>
<td>16</td>
<td>RESET button (reset all settings)</td>
</tr>
<tr>
<td>17</td>
<td>TIME SYNC button (initiate time synchronization* via PC)</td>
</tr>
<tr>
<td>18</td>
<td>Battery compartment</td>
</tr>
<tr>
<td>19</td>
<td>Battery compartment cover</td>
</tr>
<tr>
<td>20</td>
<td>Stand, fold-out</td>
</tr>
<tr>
<td>21</td>
<td>DATA button (initiate data transfer* to the PC)</td>
</tr>
<tr>
<td>22</td>
<td>°C/°F button (temperature format setting)</td>
</tr>
</tbody>
</table>
Scope of delivery
Base station (A), outdoor sensor (multifunctional remote sensor) (B), USB cable (C)
Also required (not included):
6 pcs. Mignon batteries (1.5V, AA type) for base station; 3 pcs. Mignon batteries (1.5V, AA type) for multifunctional remote sensor

*Weather data transmission requires a PC with Windows 7 or higher and installed 'WEATHER TOOL' software.
6 Screen display

**Illustration 2:** Screen display of the base station

<p>| | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Current time or alarm time (hours:minutes:seconds)</td>
<td>2</td>
<td>Alarm enabled</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Sync icon (time)</td>
<td>4</td>
<td>Date (day-month or reverse)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Weekday</td>
<td>6</td>
<td>Moon phase</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Bar chart for value display</td>
<td>8</td>
<td>Air pressure alarm enabled</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Air pressure</td>
<td>10</td>
<td>Sunrise time</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Sunset time</td>
<td>12</td>
<td>Wind speed alarm enabled</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Wind speed</td>
<td>14</td>
<td>Alarm for high (HI AL) or low (LO AL) value enabled</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Outdoor temperature</td>
<td>16</td>
<td>Alarm for high (HI AL) or low (LO AL) value enabled</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Indoor temperature</td>
<td>18</td>
<td>Humidity outdoors</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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! Though the remote unit is weather proof, it should be placed away from direct sunlight, rain or snow.

8 Setting up power supply

**Base unit**

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.

**Remote sensor**

4. Loosen the screw at the battery compartment cover with a small Philips screwdriver and remove the cover.
5. Insert the batteries into the battery compartment. Ensure that the battery polarity (+/-) is correct.
6. 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

1. U-bolt (2x)
2. Mounting clamp (4x)
3. Washer (4x)
4. Nuts (4x)
5. Mounting pole (1x) Pole placed under egg tray. Please check before disposal of the packaging.
6. Battery compartment
7. Screws (4x)
8. Point to the North and at least 1.5 metres off the ground.

Depending on the desired location, the remote sensor can be installed in different ways.
NOTICE! During the assembly make sure that the upper part of the wind vane is minimum 1.5 metres 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 tube
1. Insert the stainless steel mounting pole into the mounting hole of the sensor and tighten the screws firmly.
2. Attach the stainless steel pole to a post or pipe using the 2 U-bolts, mounting clamps and nuts.

11 Signal transmission
The base station will automatically connect to the multi outdoor sensor and (if available) to other wireless sensors. Press the SENSOR SYNC button to search for sensors directly. After successful connection, the symbol for the outdoor area (OUT) and/or the channel are displayed.

Connection status display

<table>
<thead>
<tr>
<th>Connection status</th>
<th>Screen display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Good signal</td>
<td>Reception icon</td>
</tr>
<tr>
<td>Searching for a sensor</td>
<td>Reception symbol flashes</td>
</tr>
<tr>
<td>No signal for 48 hours</td>
<td>'Er' (Error) is shown</td>
</tr>
<tr>
<td>Sensor low battery status,</td>
<td>Battery symbol is shown</td>
</tr>
<tr>
<td>good signal</td>
<td></td>
</tr>
</tbody>
</table>

12 Time synchronization with the PC
Time and date are automatically synchronized for this device when it is connected to a computer* via the supplied USB cable. Proceed as follows:
1. Put the microUSB plug of the USB cable into the USB slot of the device.
2. Put the USB-A plug of the cable into a free USB port of the computer.
3. Turn on the computer and wait approx 5 seconds.
4. Press the TIME SYNC button for approx. 8 seconds to disable or enable time synchronization.
5. Press TIME SYNC button once to initiate time synchronization again.

NOTICE! The time synchronization ensures through the time on the connected computer. Make sure it is set correctly. Once the time has been synchronized, this will be indicated by the sync symbol on the display.
6. *Computer with Windows 7 or higher required.

NOTICE! Once the device is connected to the computer via USB, it will be powered by the computer as soon as the computer is turned on.

13 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.
14 Setting up the station for weather data transmission

NOTICE! For the weather data transmission to the Weather Underground community an internet connection is required. For the data reception using the free Weather Tool software, a computer with a free USB port and Windows operating system is required.

To transfer weather data from the weather station to a computer or to the Weather Underground community, the following preparatory steps are required:

1. Download the software 'Weather Tool' as a zip file from http://archive.bresser.de/download/7002570/software
2. Unpack the zip file on the computer.
3. In the selected target directory a corresponding folder 'WEATHER_TOOL_7_26' is created.
4. The folder contains the installation file 'WEATHER_TOOL-7-26.exe' as well as a manual for setting up the weather station for weather data transmission.
5. Open the installation file with a double click of the left mouse button and follow the instructions of the installation wizard.
6. Connect the weather station with the computer.
7. Read the manual for the software in detail and set up the weather station according to the specifications. (For more information, see the chapter 'Time synchronization with the PC')

15 EC Declaration of Conformity

Hereby, Bresser GmbH declares that the equipment type with item number 7002570 : 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/7002570/CE/7002570_CE.pdf

16 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.

17 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

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

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