

# Digital wireless thermo-hygrometer TRIO

## BEFORE YOU START USING IT

- Please make sure to read the instruction manual carefully.
- This information will help you to familiarise yourself with your new device, to learn all of its functions and parts, to find out important details about its first use and how to operate it, and to get advice in the event of faults.
- Following and respecting the instructions in your manual will prevent damage to your instrument and loss of your statutory rights arising from defects due to incorrect use.
- We shall not be liable for any damage occurring as a result of non-following of these instructions.
- Please take particular note of the safety advice!
- Please keep this instruction manual for future reference.

## SCOPE OF DELIVERY

- Thermo-Hygrometer
- Wireless sensor (3 pcs)
- Instruction manual

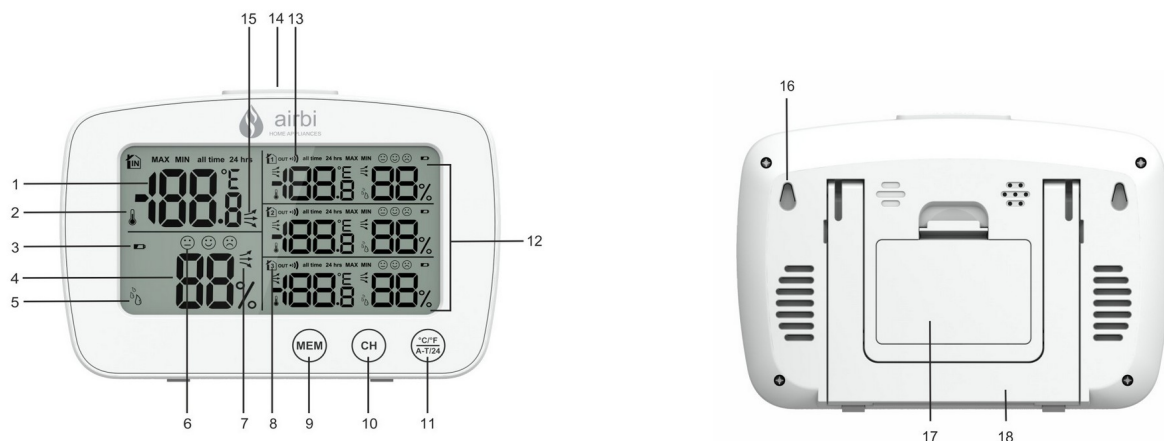
## FIELD OF OPERATION AND ALL THE BENEFITS OF THIS INSTRUMENT

- For the control of indoor/outdoor temperature and humidity to help create a healthy room climate.
- Three wireless sensors (maximum distance 100 m in open field).
- Humidity comfort indication
- Climate trend indication.
- Maximum/minimum values for 24 hours/all time records.
- Low battery indication.
- Display backlight.

## FOR YOUR SAFETY

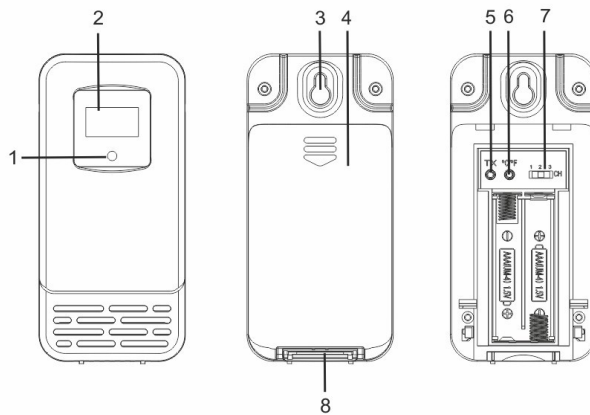
- This product is exclusively intended for the field of application described above. It should only be used as described within these instructions.
- Unauthorized repairs, modifications or changes to the product are prohibited.
- Product isn't be used for medical purpose or for public information, it is only intended for home use.
- Keep this instrument and the battery out of the reach of children.
- Batteries must not be thrown into a fire, short-circuited, taken apart or recharged. Risk of explosion!
- Batteries contain harmful acids. Low batteries should be changed as soon as possible to prevent damage caused by leaking.
- Wear chemical-resistant protective gloves and glasses when handling leaking batteries.
- Do not place your product near extreme temperatures, vibrations or shocks.
- Protect it from moisture.

## ELEMENTS



## A - Base station

1. Indoor temperature
2. Temperature indication
3. Low battery indication
4. Indoor humidity
5. Humidity indication
6. Humidity comfort indication
7. Humidity trend indication
8. Wireless channel
9. Button MEM



10. Button CH
11. Button °C/°F | A-T/24
12. Temp/hum values from sensors
13. RF reception symbol
14. Button LIGHT
15. Temperature trend indication
16. Wall mounting hole
17. Battery compartment
18. Stand (fold out)

## B - Transmitter

1. Transmission indication
2. Display
3. Wall mounting hole
4. Battery cover
5. Button TX
6. Button °C/°F
7. Channel switch
8. Stand

## GETTING STARTED

- Place the instruments on a desk with a distance of approximately 1,5 meters. Avoid being close to possible sources of interference such as electronic devices and radio installations.
- Open the battery compartment of each transmitter.
- Make sure that each sensor has channel switch [B-7] in different position (1,2,3).
- Insert into battery compartment two new AAA 1,5 V batteries, polarity as illustrated.
- Close the battery compartment of each sensor carefully.
- Open the battery compartment of the base station and insert three new AAA 1,5 V batteries, polarity as illustrated.
- All segments will be displayed briefly. Close the battery compartment again.
- Default time is 12:00 PM when power on.
- Default temperature and humidity trend is flat.

## TRANSMITTER RECEPTION

- After the batteries are inserted the base station will automatically start to receive the measured values. The reception symbol will be flashing on the display. RF reception time is 3 minutes.
- If the reception of the measured values fails, „- -“ appears on the display. Check the batteries and try it again. Check if there is any source of interference.
- You can start the transmission reception manually. You can find more informations in paragraph *Manual transmitter search*.
- If a base station doesn't receive signal from successfully received transmitter for more than 60 minutes, it will show “-.-”. Data on display will be restored when signal is received again.

## OPERATION

### Maximum and minimum values

- Station has two modes for viewing minimum/maximum values. First mode (ALL TIME) shows minimum/maximum values that are saved from time when device was powered up. Second mode (24

HOURS) shows minimum/maximum values for last 24 hours. ALL TIME values can be deleted only manually, while 24 HOURS values can be deleted manually or automatically every day at 0:00 AM.

- Please note that first automatic data reset for 24 HOURS minimum/maximum values will be 12 hours after power on, since default time is 12:00 PM when device is powered up.
- HOLD button °C/°F | A-T/24 for 3 seconds to switch between ALL TIME/24 HOURS mode.
- Press MEM button to display maximum values of indoor/outdoor temperature and humidity.
- Press MEM button again to display minimum values of indoor/outdoor temperature and humidity.
- Hold MEM button to clear maximum/minimum values of selected mode manually.

### Temperature unit setting

- Press button °C/°F | A-T/24 to switch between °C (Celsius) and °F (Fahrenheit).

### Display light

- Press button LIGHT to switch on backlight for 5 seconds.

### Manual transmitter search

- Hold button CH for 3 seconds. All wireless records will be cleared and LCD will display “-.- -”. The base station tries to receive the measured values for 3 minutes.
- You can initiate transmission manually by pressing the TX button [B-5] in battery compartment of sensor.

### Humidity comfort level indication

For the indication of the humidity comfort level on the display appears:

	SMILE	NEUTRAL	SAD
Humidity	40-60%	30-39%, 61-70%	<29%, >71%

### Trend arrows

- The trend arrows indicates whether the values for temperature or humidity are currently increasing, steady or decreasing.

### CARE AND MAINTENANCE

- Clean your instrument with a soft damp cloth. Do not use solvents or scouring agents.
- Remove the battery if you do not use the product for a long period of time.
- Keep the instrument in a dry place.

### BATTERY REPLACEMENT

- When the battery symbol appears on a channel display, replace the batteries of the respective transmitter.
- Change the batteries of the base station, when the symbol of battery appears on display of indoor values.
- NOTE: When the batteries are changed, ID between transmitter and base station must be restored – so please always follow instructions in paragraph *Getting started* or start manual transmitter search.

### TROUBLESHOOTING

*No display on the device/incorrect indication:*

- Ensure that the battery polarity is correct.
- Change the batteries.
- Restart the base and transmitter(s).

*No transmitter reception, display “-.- -”:*

- No transmitter(s) installed.
- Change the transmitter(s) batteries.
- Start manual search for the wireless sensors according manual.
- Choose another place for the transmitter(s) and/or the base station.
- Reduce the distance between the transmitter(s) and the base station.

- Check if there is any source of interference.

If device fails to work despite these measures contact the supplier from whom you purchased it.

## WASTE DISPOSAL



This product has been manufactured using high-grade materials and components which can be recycled and reused.

Never dispose of empty batteries and rechargeable batteries in household waste.



As a consumer, you are legally required to take them to your retail store or to an appropriate collection site depending on national or local regulations in order to protect the environment.

The symbols for the heavy metals contained are:

Cd=cadmium, Hg=mercury, Pb=lead



This instrument is labeled in accordance with the EU Waste Electrical and Electronic Equipment Directive (WEEE).

Please do not dispose of this instrument in household waste. The user is obligated to take end-of-life devices to a designated collection point for the disposal of electrical and electronic equipment, in order to ensure environmentally-compatible disposal.

## SPECIFICATIONS

### Base station

Power consumption:	3x 1.5 V battery type AAA
Measuring range temperature:	0°C...+50°C
Temperature accuracy:	+/- 1°C in 0-40°C, otherwise +/-2°C
Measuring range humidity:	20...95 % rH
Humidity accuracy:	+/- 5%
Dimensions:	152 x 104 x 22 mm
Weight:	179 g

### Wireless sensor

RF transmission range:	Max. 100 m in open area
Transmission frequency:	433 MHz
Power consumption:	2x 1.5 V battery type AAA
Measuring range temperature:	-20°C...+60°C
Temperature accuracy:	+/- 1°C in 0-40°C, otherwise +/-2°C
Measuring range humidity:	20...95 % rH
Humidity accuracy:	+/- 5%
Dimensions:	50 x 105 x 26 mm
Weight:	52 g

Manufacturer: Bibetus, s.r.o., Loosova 1, Brno 638 00

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