

eurochron

Ⓒ Operating Instructions
Thermo-hygrometer, 8 channels
Item No. 1544543



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1. Introduction

Dear customer,

Thank you for purchasing this product.

This product complies with statutory national and European regulations.

For safety reasons, always follow the instructions in this manual.



These operating instructions are part of this product. They contain important information on setting up and using the product. Also consider this if you pass on the product to any third party. Therefore, retain these operating instructions for reference!

For technical queries, please contact:

International: www.conrad.com/contact

United Kingdom: www.conrad-electronic.co.uk/contact

2. Explanation of symbols



This symbol is used to highlight important information in these operating instructions. Always read this information carefully.



This symbol indicates special information and advice on how to use the product.

3. Intended use

The product is used to measure and display the indoor temperature and humidity. Power is supplied via batteries (not included).

The product is suitable as an additional sensor for the weather station with the item number 1380336.

It is intended for indoor use only. Do not use it outdoors. Contact with moisture, e.g. in bathrooms, must be avoided under all circumstances.

For safety and approval purposes, you must not rebuild and/or modify this product. Using the product for purposes other than those described above may damage the product. Furthermore, improper use may cause hazards such as short-circuits, fire, etc. Read the instructions carefully and store them in a safe place.

Make this product available to third parties only together with its operating instructions.

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4. Delivery content

- Thermo-hygrometer
- Operating instructions



Up-to-date operating instructions

Download the latest operating instructions at www.conrad.com/downloads or scan the QR code on this page. Follow the instructions on the website.

5. Features and functions

- 8 channels
- Comfort level indicator
- Trend display
- Calibration function
- °C/°F
- Suitable for wall mounting
- Fold-out base

6. Safety instructions



Read the operating instructions carefully and especially observe the safety information. If you do not follow the safety instructions and information on proper handling in this manual, we assume no liability for any resulting personal injury or damage to property. Such cases will invalidate the warranty/guarantee.

a) General information

- Do not use this product in hospitals or medical facilities. Although the product only emits relatively weak radio signals, these may lead to the malfunction of life-support systems. The same could also apply to other facilities.
- The manufacturer shall not be responsible for inaccurate readings and any resulting consequences.
- This product is designed for private use only; it is not intended for medical purposes or for providing information to the general public.
- This product is not a toy. Keep it out of the reach of children and pets.
- Do not leave packaging material lying around carelessly. This may become dangerous playing material for children.



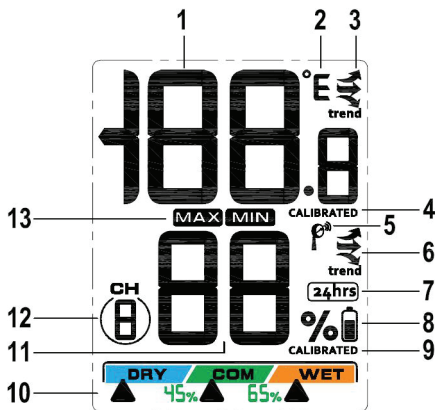
- Protect the product from extreme temperatures, direct sunlight, strong jolts, high humidity, moisture, flammable gases, vapours and solvents.
- Do not place the product under any mechanical stress.
- If it is no longer possible to operate the product safely, stop using it and prevent unauthorized use. Safe operation can no longer be guaranteed if the product:
 - is visibly damaged,
 - is no longer working properly,
 - has been stored for extended periods in poor ambient conditions or
 - has been subjected to any serious transport-related stress.
- Always handle the product carefully. Jolts, impacts or a fall even from a low height may damage the product.
- Consult a technician if you are not sure how to use or connect the product.
- Maintenance, modifications and repairs must be done by a technician or an authorized repair centre.
- If you have questions which remain unanswered by these operating instructions, contact our technical support service or other technical personnel.



b) (Rechargeable) batteries

- Correct polarity must be observed while inserting the (rechargeable) batteries.
- (Rechargeable) batteries should be removed from the device if it is not used for a long period of time to avoid damage through leaking. Leaking or damaged (rechargeable) batteries might cause acid burns when in contact with skin, therefore use suitable protective gloves to handle corrupted (rechargeable) batteries.
- (Rechargeable) batteries must be kept out of reach of children. Do not leave (rechargeable) batteries lying around, as there is risk, that children or pets swallow them.
- All (rechargeable) batteries should be replaced at the same time. Mixing old and new (rechargeable) batteries in the device can lead to (rechargeable) battery leakage and device damage.
- (Rechargeable) batteries must not be dismantled, short-circuited or thrown into fire. Never recharge non-rechargeable batteries. There is a risk of explosion!

7. Display elements



- | | | | |
|---|-----------------------------|----|-------------------------|
| 1 | Measured temperature value | 7 | 24hrs indicator |
| 2 | Temperature unit | 8 | Battery status |
| 3 | Temperature trend | 9 | CALIBRATED indicator |
| 4 | CALIBRATED indicator | 10 | Comfort level indicator |
| 5 | Icon for radio transmission | 11 | Measured humidity value |
| 6 | Humidity trend | 12 | Channel number |
| | | 13 | MAX MIN indicator |

8. Inserting/changing the batteries

- Remove the battery compartment cover from the back.
- Insert 2 AAA batteries, observing correct polarity. Observe polarity as indicated inside the battery compartment.

As soon as the batteries are inserted, all display segments will appear briefly. The icon for wireless transmission flashes once per minute. Each time the icon flashes, the product is transmitting data (to an optionally available weather station).

- Close the battery compartment.
- Replace the batteries as soon as the battery symbol appears on the display.

9. Start-up

a) Selecting the channel

→ If you wish to use the product as an additional sensor for a weather station, all sensors must be set to a different channel.

You must follow the operating instructions of the weather station.

If you use the product as a stand-alone device, you need not change the channel.

- Press and hold the **CH/+** button for approx. 3 seconds until the circular arrow appears above the channel number.
- Briefly press the **CH/+** button to set the desired channel (1 – 8).
- To exit selection mode, press and hold the **CH/+** button for approx. 3 seconds until the circular arrow goes out.

b) Display/delete the MIN/MAX values

- Briefly press the **MIN/MAX/-** button. The maximum measured values and the MAX indicator appear on the display.
- To reset the maximum measured values, press and hold the button **MIN/MAX/-** for approx. 3 seconds.
- Briefly press the **MIN/MAX/-** button. The minimum measured values and the MIN indicator appear on the display.
- To reset the minimum measured values, press and hold the button **MIN/MAX/-** for approx. 3 seconds.

- Briefly press the **MIN/MAX/-** button to view the current measured values.

c) Automatically delete the MIN/MAX values

- To automatically delete the registered minimum and maximum values every day, press and hold the **SET** button for approx. 3 seconds until the 24hrs indicator appears.

If you enable this feature at noon, for example, the values will be automatically deleted every day at noon.

- To disable this feature, press and hold the **SET** button again for approx. 3 seconds until the indicator 24hrs goes out.

d) Changing the temperature unit

In normal display mode, press and hold the **MIN/MAX/-** button for approx. 3 seconds to switch between temperature display in °C or °F.

e) Display lighting

Each time a button is pressed, the display lighting is enabled for approx. 5 seconds.

10. Comfort level indicator

Indicator	Meaning	Air humidity
DRY	Dry	<45 %
COM	Comfortable	45 – 65 %
WET	Wet	>65 %

11. Trend display

The arrows indicate changes of temperature and humidity.

- The arrow is pointing **up**.
 - The temperature rises by at least 2 °C within 30 minutes.
 - The humidity rises by at least 5 % within 30 minutes.
- The arrow is pointing **down**.
 - The temperature sinks by at least 2 °C within 30 minutes.
 - The humidity sinks by at least 5 % within 30 minutes.
- The arrow is pointing to the **right**.
 - No change.

12. Calibration



Perform a calibration only if you have another reliable and calibrated measuring device at hand.

Do not use measured data from the internet, radio, television or newspaper, since they may not necessarily match the current conditions for your location.



We recommend using a mercury or alcohol thermometer as a reference.

Place the product and the reference thermometer in a shady area at a sufficient distance to any heat sources. Wait approximately 48 hours and then compare the measured values before calibrating the product.

a) Air humidity

- Press and hold the **SET** and **MIN/MAX/-** buttons at the same time for approx. 3 seconds until the humidity value flashes.
- Use the **MIN/MAX/-** and **CH/+** buttons to change the value in increments of 1 %. Press and hold the button to fast forward.
If you have changed the original measured value, the indicator **CALIBRATED** appears next to the measured value.
- To return to the original, uncalibrated value, briefly press the **SET** button. The indicator **CALIBRATED** goes out.
- To exit calibration mode, press and hold the **SET** button for approx. 3 seconds until the measured value stops blinking.

- If no button is pressed for 15 seconds, the product automatically returns to normal display mode.

b) Temperature

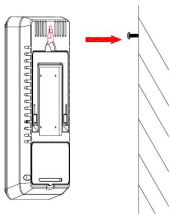
- Press and hold the **SET** and **CH/+** buttons at the same time for approx. 3 seconds until the temperature value flashes.
- Use the **MIN/MAX/-** and **CH/+** buttons to change the value in increments of 0.1 degrees. Press and hold the button to fast forward.

If you have changed the original measured value, the indicator **CALIBRATED** appears next to the measured value.

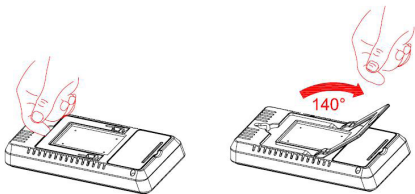
- To return to the original, uncalibrated value, briefly press the **SET** button. The indicator **CALIBRATED** goes out.
- To exit calibration mode, press and hold the **SET** button for approx. 3 seconds until the measured value stops blinking.
- If no button is pressed for 15 seconds, the product automatically returns to normal display mode.

13. Positioning

- You can use a nail or screw to hang the product on the wall.



- You can also set up the product on a flat, stable surface. To do this, fold out the stand.



14. Care and cleaning



Never use aggressive detergents, rubbing alcohol or other chemical solutions, as these could damage the casing or cause the product to malfunction.

Use a dry, lint-free cloth to clean the product.

15. Declaration of conformity (DOC)

Conrad Electronic SE, Klaus-Conrad-Straße 1, D-92240 Hirschau hereby declares that this product conforms to the 2014/53/EU directive.

→ Click on the following link to read the full text of the EU declaration of conformity:

www.conrad.com/downloads

Select a language by clicking on a flag symbol, and then enter the product order number in the search box. The EU Declaration of Conformity is available for download in PDF format.

16. Disposal

a) Product



Electronic devices are recyclable waste and must not be disposed of in household waste. Always dispose of the product according to the relevant statutory regulations.

Remove any inserted batteries and dispose of them separately from the product.

b) (Rechargeable) batteries



You are required by law (Battery Directive) to return all used batteries. Batteries must not be placed in household waste.

Batteries containing hazardous substances are labelled with this symbol to indicate that disposal in household waste is forbidden. The abbreviations for heavy metals in batteries are: Cd = Cadmium, Hg = Mercury, Pb = Lead (indicated on the battery, e.g. below the trash icon on the left).

Used (rechargeable) batteries can be returned to local collection points, our stores or battery retailers.

You thus fulfil your statutory obligations and contribute to the protection of the environment.

17. Technical data

Power supply	2 x 1.5 V battery, type AAA (not included)
Measurement range	0 to +60 °C 10 – 99 % RH
Accuracy	±1 °C ±5 % RH
Transmission frequency.....	433 MHz
Transmission power.....	-20 dBm
Range	100 m (open space)
Transmission interval.....	60 sec
Operating/storage conditions.....	0 to +60 °C 10 – 99 % RH
Display dimensions (W x H)	43 x 54 mm
Dimensions (W x H x D)	64 x 107 x 17 mm
Weight	66 g



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