



© Important Note

WLAN weather station with large TFT colour display

Item no. 2739814

1 Intended use

The weather station is used to display various readings, such as indoor/outdoor temperature and humidity, air pressure, precipitation, wind speed, wind direction, UV index and light intensity.

The data measured by the outdoor sensor are wirelessly transferred to the weather station. Furthermore, the weather station calculates a weather forecast and displays it using graphical symbols on the display.

In addition, you can register your weather station with various weather websites, such as ecowitt.net, and operate it using the "VSView Plus" app. A free account is required to use the app.

Readings can be stored on the product's micro SD card (max. 32 GB, not included) or transferred to a weather website.

When data is transferred to ecowitt.net, you can receive alerts via e-mail through the website.

The weather station is powered via the supplied USB power adapter and the dedicated USB cable.

The outdoor sensor is powered via the supplied power adapter or the built-in solar cell. Two AA/Mignon batteries are used as a backup power source.

The weather station is intended for indoor use only. Do not use it outdoors. Contact with moisture must be avoided under all circumstances. The outdoor sensor has an IP44 protection class and is thus suitable for outdoor use.

Using the product for purposes other than those described above may damage the product. Improper product use can cause a short circuit, fire, electric shock, other hazards.

This product complies with statutory, national and European regulations. For safety and approval purposes, you must not rebuild and/or modify the product.

Read the instructions carefully and store them in a safe place. Always provide these operating instructions when giving the product to a third party.

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2 Delivery content

- Weather station
- USB power adapter (weather station)
- USB cable for power supply
- Outdoor sensor
- Power adapter (outdoor sensor)
- 10 m connection cable (outdoor sensor)
- Operating instructions (digital as download)

3 Latest product information






Download the latest product information at www.conrad.com/downloads or scan the QR code shown. Follow the instructions on the website.

4 Operating instructions

You can download the complete user manual for the product from our downloads page. Please refer to the previous chapter.

5 Explanation of symbols

The following symbols appear on the product/device or in the text:

-  This symbol warns of hazards that can lead to personal injury. Read the information carefully.
-  This symbol warns of a dangerous voltage which can lead to injuries due to electric shock. Read the information carefully.
-  The product should only be used in dry, indoor locations. It must not get damp or wet.
-  The product is designed according to Protection Class II.
-  Pay attention to the operating instructions!

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, we assume no liability for any resulting personal injury or damage to property. Such cases will invalidate the warranty/guarantee.

6.1 General

- This product is not a toy. Keep it out of the reach of children and pets.
- Do not leave packaging material lying around carelessly. It may become a dangerous plaything for children.
- Should you have any questions or concerns after reading this document, please contact our technical support or a professional technician.
- Maintenance, modifications and repairs must be carried out only by a skilled technician or a specialist repair centre.

6.2 Handling

- Please handle the product carefully. Impact, shocks or a fall even from a low height can damage the product.

6.3 Operating environment

- Do not expose the product to any mechanical stress.
- Protect the product from extreme temperatures, strong jolts, flammable gases, vapours, and solvents.
- The weather station is suitable only for dry indoor areas. Do not expose the product to direct sunlight, strong heat, cold, humidity or moisture; otherwise it may be damaged.
- The outdoor sensor is designed for outdoor use. It must not be used in or under water, this will destroy it.
- Never switch the device on immediately after taking it from a cold into a warm environment. This may cause condensation to form, which can destroy the product. Allow the product to reach room temperature before using it.
- Avoid using the product near strong magnetic or electromagnetic fields, transmitter aerials or HF generators. Otherwise, the product may not function properly.

6.4 Operation

- Consult an expert when in doubt about the operation, safety or connection of the device.
- If it is no longer possible to operate the product safely, take it out of operation and protect it from any accidental use. DO NOT attempt to repair the product yourself. 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.

6.5 Power adapters



Never attempt to modify the electrical components of the power adapters for the weather station and outdoor sensor. Risk of fatal electric shock!

- Always ensure that the mains plug is properly connected.
- Discontinue use of the device if any electrical components are damaged.
- Do not modify the electrical components.
- Connect the product to an easily accessible socket.
- Only use the included power adapter.
- Only connect the power adapter to a normal mains socket connected to the public supply. Before plugging in the power adapter, check whether the voltage stated on the power adapter complies with the voltage of your electricity supplier.
- Never connect or disconnect power adapters if your hands are wet.
- For safety reasons, always disconnect the power adapter from the mains socket during lightning storms.
- Do not touch the power adapter if there are any signs of damage, as this may cause a fatal electric shock! Proceed as follows:
 - First, cut off the power supply to the mains socket to which the power adapter is connected (switch off the corresponding circuit breaker or remove the safety fuse, and then switch off the corresponding RCD protective switch so that all poles of the mains socket are disconnected).
 - Unplug the power adapter from the mains socket.
 - Use a new power adapter of the same design. Do not use the damaged power adapter again.
- Make sure that the cable is not pinched, kinked or damaged by sharp edges.
- Always lay cables so that nobody can trip over or become entangled in them. Failure to do so could result in injury.
- Consult an expert when in doubt about the operation, safety or connection of the device.
- A damaged product may only be repaired by the manufacturer, a workshop commissioned by the manufacturer, or a similarly qualified person so as to prevent any danger.

6.6 (Rechargeable) batteries

- Correct polarity must be observed while inserting the batteries.
- If you do not plan to use the product for an extended period, remove the (rechargeable) batteries to prevent damage from leaking. Leaking or damaged (rechargeable) batteries may cause acid burns if they come into contact with your skin. Therefore, use suitable protective gloves when handling damaged (rechargeable) batteries.
- Batteries/rechargeable batteries must be kept out of reach of children. Do not leave batteries/rechargeable batteries lying around, as there is a risk that children or pets may 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 attempt to recharge non-rechargeable batteries. This may cause an explosion!

7 Disposal

7.1 Product



This symbol must appear on any electrical and electronic equipment placed on the EU market. This symbol indicates that this device should not be disposed of as unsorted municipal waste at the end of its service life.

Owners of WEEE (Waste from Electrical and Electronic Equipment) shall dispose of it separately from unsorted municipal waste. Spent batteries and accumulators, which are not enclosed by the WEEE, as well as lamps that can be removed from the WEEE in a non-destructive manner, must be removed by end users from the WEEE in a non-destructive manner before it is handed over to a collection point.

Distributors of electrical and electronic equipment are legally obliged to provide free take-back of waste. Conrad provides the following return options free of charge (more details on our website):

- in our Conrad offices
- at the Conrad collection points
- at the collection points of public waste management authorities or the collection points set up by manufacturers or distributors within the meaning of the ElektroG

End users are responsible for deleting personal data from the WEEE to be disposed of.

It should be noted that different obligations about the return or recycling of WEEE may apply in countries outside of Germany.

7.2 (Rechargeable) batteries

Remove batteries/rechargeable batteries, if any, and dispose of them separately from the product. According to the Battery Directive, end users are legally obliged to return all spent batteries/rechargeable batteries; they must not be disposed of in the normal household waste.



Batteries/rechargeable 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 (name on (rechargeable) batteries, e.g. below the trash icon on the left).

Used (rechargeable) batteries can be returned to collection points in your municipality, our stores or wherever (rechargeable) batteries are sold. You thus fulfil your statutory obligations and contribute to environmental protection.

Batteries/rechargeable batteries that are disposed of should be protected against short circuit and their exposed terminals should be covered completely with insulating tape before disposal. Even empty batteries/rechargeable batteries can contain residual energy that may cause them to swell, burst, catch fire or explode in the event of a short circuit.

8 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

Enter the product item number in the search box. You can then download the EU declaration of conformity in the available languages.

9 Technical data

9.1 Weather station power supply

Input voltage 5 V/DC
Power consumption max 1 A

9.2 Outdoor sensor power supply

Power supply power adapter or built-in solar cell, batteries as a backup power source
Input voltage 12 V/DC (mains connection)
Solar cell 6.5 V/DC, max. 4 mA
Batteries 2x 1.5 V AA/Mignon batteries (not included)

9.3 Weather station (only the most relevant)

Display TFT LC display 17.86 cm (7")
Sensor components temperature, humidity, air pressure
Sensor measurement interval 60 seconds
Alarm duration 120 seconds
Channels up to 8 channels for sensors
Supported memory card micro SD, micro SDHC, max. 32 GB, FAT32 format
Mounting/operating location Dry, enclosed indoor spaces

9.4 Outdoor sensor (only the most relevant)

Radio transmission RF 868 MHz to weather station
Sensor components temperature, humidity, wind speed, wind direction, precipitation, UV index, light intensity
IP protection class IP44
Mounting/operating location outdoor area

9.5 Weather station/outdoor sensor radio module

RF 868 MHz
Frequency 868.315 – 868.85 MHz
Channel spacing/bandwidth 35 kHz
Transmission power 36 dBm
Range max. 150 m (in open space)
WLAN IEEE802.11b/g/n, 72.2 Mbit, 2.4 GHz
Frequency 2.400 – 2.4835 GHz
Transmission power < 19.5 dBm
Range max. 50 m (in open space)

9.6 Weather station power adapter

Input voltage/current 100 – 240 V/AC, 50/60 Hz, 0.2 A
Output voltage/current 5 V/DC, 1 A, 5 W
Power adapter output USB Type A
USB cable USB Type A to 2.5 x 0.7 mm (female +)

9.7 Outdoor sensor power adapter

Input voltage/current 100 – 240 V/AC, 50/60 Hz, 0.6 A
Output voltage/current 12 V/DC, 1 A, 12 W
Output 2-pole
Protection class IP68

9.8 Weather station ambient conditions

Operating/storage conditions -10 to +60 °C, 10 – 99% RH (non-condensing)

9.9 Outdoor sensor ambient conditions

Operating/storage temperature -40 to +60 °C, 1 – 99% RH (non-condensing)

9.10 Other weather station data

Dimensions (W x H x D) approx. 195 x 138 x 20 mm
Weight approx. 220 g

9.11 Other outdoor sensor data

Dimensions (Ø x H) approx. 93 x 200 mm
Weight approx. 430 g