



5 in 1 Multisensor

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EN Instruction manual

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EN Visit our website via the following QR Code or web link to find further information on this product or the available translations of these instructions.

FR Si vous souhaitez obtenir plus d'informations concernant ce produit ou rechercher ce mode d'emploi en d'autres langues, rendez-vous sur notre site Internet en utilisant le code QR ou le lien correspondant.

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Product	Art.No.:
Only Wireless 5-in-1 Sensor (A)	7802580

Fig. 1

A



B



About this Instruction Manual

NOTICE

These operating instructions are to be considered a component of the device.

Read the safety instructions and the operating manual carefully before using this device.

Keep this instruction manual in a safe place for future reference. When the device is sold or given to someone else, the instruction manual must be provided to the new owner/user of the product.

General safety instructions

DANGER

Risk of an electric shock!

This device contains electronic parts that are powered by a power source (AC adapter and/or batteries). Improper use of this product may result in electric shock. Electric shock can cause serious or fatal injuries. It is therefore imperative that you observe the following safety information.

- Never leave children unattended when handling the device! Follow the instructions carefully and do not attempt to power this device with anything other than power sources recommended in this instruction manual, otherwise there is a danger of an electric shock!
 - Disconnect the power supply by pulling the mains plug when the appliance is not in use, in case of a longer interruption of operation and before any maintenance and cleaning work.
 - Place your device so that it can be disconnected from the power supply at any time. The power outlet should always be near your appliance and should be easily accessible, as the plug of the power cord serves as a disconnect device from the mains supply.
 - To disconnect the unit from the mains, always pull the mains plug and never pull the cable!
 - Check this device, cables and connections for damage before use.
 - Never attempt to operate a damaged device, or a device with damaged electrical parts! Damaged parts must be replaced immediately by an authorized service agent.
 - Operate the device only in a completely dry environment and do not touch the device with wet or damp body parts.
-

DANGER

Danger of suffocation!

Improper use of this product may result in suffocation, especially for children. It is therefore imperative that you observe the following safety information.

- Keep packaging materials (plastic bags, rubber bands, etc.) away from children! There is a danger of choking!
 - This product contains small parts that can be swallowed by children! Choking hazard!
-

DANGER

Explosion hazard!

Improper use of this product may result in fire. It is essential that you observe the following safety information in order to avoid fires.

-
- Do not expose the device to high temperatures. Use only the supplied AC adapter or the recommended batteries. Do not short-circuit the device or batteries or dispose of in fire! Excessive heat and improper handling can cause short circuits, fires and even explosions!

NOTICE

Danger of material damage!

Improper handling may result in damage to the unit and/or accessories. Therefore, use the device only in accordance with the following safety information.

-
- Do not disassemble the device! In the event of a defect, please contact your dealer. They will contact the Service Center and can arrange the return of this device for repair if necessary.
 - Do not expose the device to high temperatures and protect it from water and high humidity.
 - Do not immerse the unit in water!
 - Do not subject the device to excessive vibrations.
 - Only use accessories and spare parts for this device that comply with the technical specifications.
 - 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 types or with different capacities. Remove batteries from the device if it is not to be used for a longer period of time!
 - Do not use rechargeable AA batteries, as these will not give out the correct voltage for use.

NOTICE

Danger of voltage damage!

The manufacturer accepts no liability for voltage damage as a result of incorrectly inserted batteries, or the use of an unsuitable mains adapter!

Features

- Measurement of Rainfall
- Measurement of wind speed
- Measurement of wind direction
- Radio-controlled clock with DCF signal reception and display
- Alarm with snooze function
- SINCE function to display the total rainfall from a customized point in time.
- Outdoor temperature (in °C or °F)
- Indoor temperature (in °C or °F)
- Humidity indoor/outdoor
- Atmospheric pressure
- Outdoor temperature alarm (frost warning)
- Highest and lowest value display
- Maximum/Minimum value memory
- Colour display
- Backlight

Parts overview Multisensor

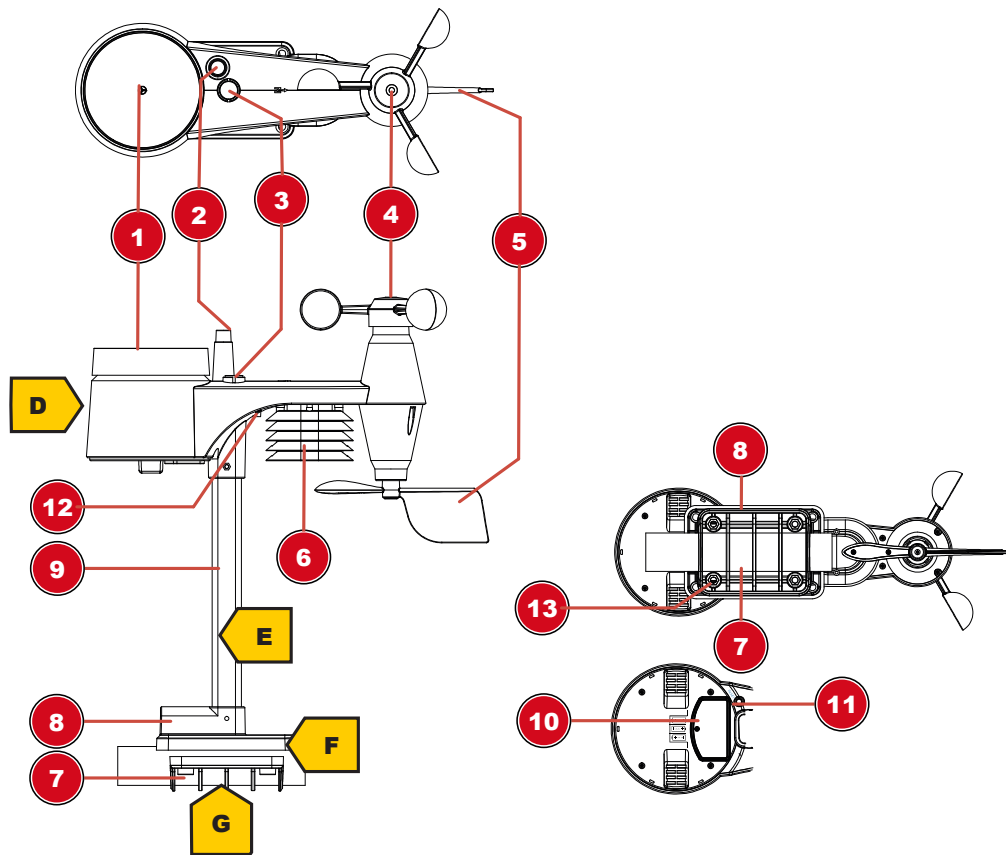


Illustration 2: All parts of the multisensor

1 Rain gauge	2 Antenna
3 Circular level	4 Wind cups (wind speed)
5 wind vane (wind direction)	6 Thermo-Hygrometer
7 Pipe clamp	8 Mounting shoe
9 Mounting bar	10 Battery compartment (cover)
11 RESET button	12 LED function indicator
13 Mounting screws with nuts	

Scope of delivery

Multifunctional outdoor sensor, mounting rod, mounting shoe, pipe clamp, screws, instruction manual

Also required (not included in delivery):

3 x 1.5V batteries type AA/LR6 (outdoor sensor)

Before commissioning



NOTICE

Avoid connection faults!

In order to avoid connection problems between the devices, the following points must be observed during commissioning.

1. Place the base unit (receiver) and sensor (transmitter) as close together as possible.

The first steps

Follow the bullet points in order, to ensure a successful setup.

1. Setting up power supply (base station and wireless sensor)
2. Mount the wireless sensor
3. The base station is now in AP mode (LED flashes green) and ready for initial setup.
4. Create an account with a weather service provider compatible with your station, e.g. wunderstation") or ("Devices" / "+ New"). Make a note of the station ID and password, as they will be needed in the next step.
5. Setting up the base station (Establish WIFI / Router connection)
6. Viewing weather data via web, mobile or tablet

Setting up power supply

Base station

1. Insert the DC connector into the connection socket of the base station.
2. Insert the mains plug into the power outlet.
3. The device is energized directly.

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.
ground.com or weathercloud.net and add the station to your account ("My Profile" / "Add Weather

Attaching rubber linings

Attach the supplied self-adhesive rubber pads to the clamps as shown to ensure a firmer fitting of the mounting rod.

Assembling and installing the multifunctional remote sensor

Depending on the desired location, the remote sensor can be installed in two different ways.

NOTICE! During the assembly make sure that the upper part of the wind vane is minimum 1.5 meters 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 wooden element

1. Slide one end of the assembly bar into the aperture below the sensor head.
2. Slide one screw through the bore hole and put on the nut on the opposite site. Tighten the screw connection by hand.
3. Depending on the desired orientation, slide the opposite end of the assembly bar into the aperture for vertical or horizontal mounting of the assembly base.
4. Slide another screw through the bore hole of the assembly base and put on the nut on the opposite site. Tighten the screw connection by hand.
5. Place the assembly base with its bottom site first on a wooden element. Use 4 wood screws to tighten it.

Assembly on a vertical or horizontal tube

6. Repeat steps 1 to 4 as before.
7. Place the assembly base with its bottom site first on the tube. Push the tube bracket against the tube from the opposite site.
8. Slide 4 screws through the bore holes of the assembly base and through the bore holes of the tube bracket on the other site.
9. Put on the 4 nuts and tighten the screw connection by hand.

Signal transmission

The base station automatically connects to the multi outdoor sensor and (if available) to other wireless sensors. You can also press the WIFI / SENSOR button to search directly for the sensors. If the connection is successful, the outdoor symbol (OUT) and/or the channel will appear on the display.

Connection status display:

Connection status	Display indication
Good signal	Receiver symbol
Sensor is searched for	Receiver symbol flashes
No signal for 48 hours	Er' (Error) is displayed
Sensor battery low, good signal	Battery symbol is displayed

Create a user account for Weather Underground (optional)

1. Enter the following web address for the 'Weather Underground' service in the address bar of your web browser: <https://www.wunderground.com>
-

-
2. Click on 'Join' to get to the registration page.
 3. Enter your personal user data and click on 'Sign up'.
 4. Follow the further setup steps.
 5. Under the menu item 'Sensor Network' > 'Connect a Weather Station' your own weather station can be added.
 6. A 'Station ID' and a 'Station Key/Password' are automatically generated by the service, which are needed for the following configuration of the weather station.

NOTICE! Use a valid e-mail address for registration. Otherwise the service can not be used.

Create user account for weathercloud (optional)

1. Enter the following web address in the address bar of the web browser: <https://weathercloud.net>
2. Under 'Join us today' enter the personal user data and click on 'Sign up'.
3. After successful registration and verification of the e-mail address, select the menu item "Devices" under the user account.
4. Click the '+New' link under 'Devices' and enter the device and location data in the 'Create New Device' window to create a new device. Select the appropriate weather station under 'Model'. For 'Link type' select the option 'Pro Weather Link'.
5. A 'weathercloud ID' and a 'key' which are needed for the following configuration of the weather station are automatically generated by the service. These can be reached via the account at weathercloud.net under Devices > Settings > Link.

NOTICE! Use a valid e-mail address for registration. Otherwise the service can not be used.

Configuration / Setting up a WI-FI connection

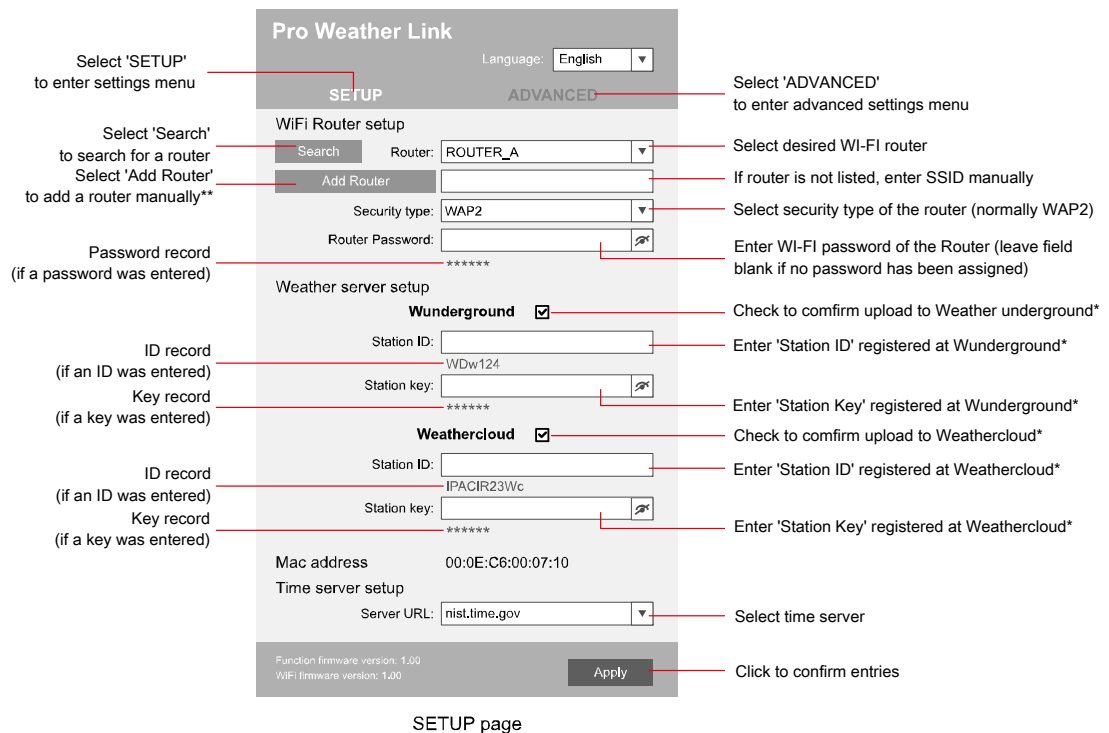
1. If the base station has not yet been connected to a router, it will switch to AP (Access Point Mode) mode after the first power supply. The display will show 'AP' and the symbol for WI-FI synchronization.
2. Use a smartphone, tablet or computer to connect to Wi-Fi.

NOTICE! The respective device itself must also be equipped with a WI-FI function.

3. In the system settings of the device, switch to W-LAN or WI-FI settings and select the wireless network (SSID) named 'PWS-XXXXXX'.
4. After successful connection via the address bar of the web browser, enter the IP address 'http: //192.168.1.1' to establish a connection to the settings menu of the weather station.

NOTICE! Always prepend 'http: //' to the IP address to avoid browser dependent connection errors. Recommended browsers: the latest version of Chrome, Safari, Edge, Firefox or Opera.

5. Make the following settings in the settings menu:
-



*Leave field blank if registration is not yet available and entries are to be made later.
 **Manual setup requires additional router information (including e.g. IP address, SSID, etc)

6. After completing the settings, the device will recognize the default WI-FI connection after each re-start.
7. In Access Point Mode, the WI-FI / SENSOR button can be pressed for 6 seconds to restore the previous settings.

WI-FI connection status:

WI-FI symbol is shown in the display	WI-FI symbol flashes in the display	AP symbol flashes in the display
Connection to the WI-FI router successful	Connection to the WI-FI router not stable or ongoing connection	Access Point Mode enabled

Automatic time setting

After the power supply and the Wi-Fi connection are established, the time and date information is automatically transmitted by the Internet time server.

If the time/date information is received correctly, the date and time are set automatically and the reception symbol is displayed.

If the time/date information was not received or not received correctly, proceed as follows:

1. In countries/regions whose time zone differs from the coordinated world time UTC, the time zone must be set manually (see chapter 'Setting the time zone') in order to display the correct time.
2. Press the REFRESH button on the base unit for about 2 seconds to re-initiate the retrieval of Internet time information.
3. Check the W-LAN settings on the base unit for correctness and correct them if necessary so that an Internet connection can be established (see chapter 'Establishing a W-LAN connection').