Aeros Particulate Matter Humidity and CO2 Sensor Installation Guide

Aeros Particulate Matter Humidity and CO2 Sensor

Download The App

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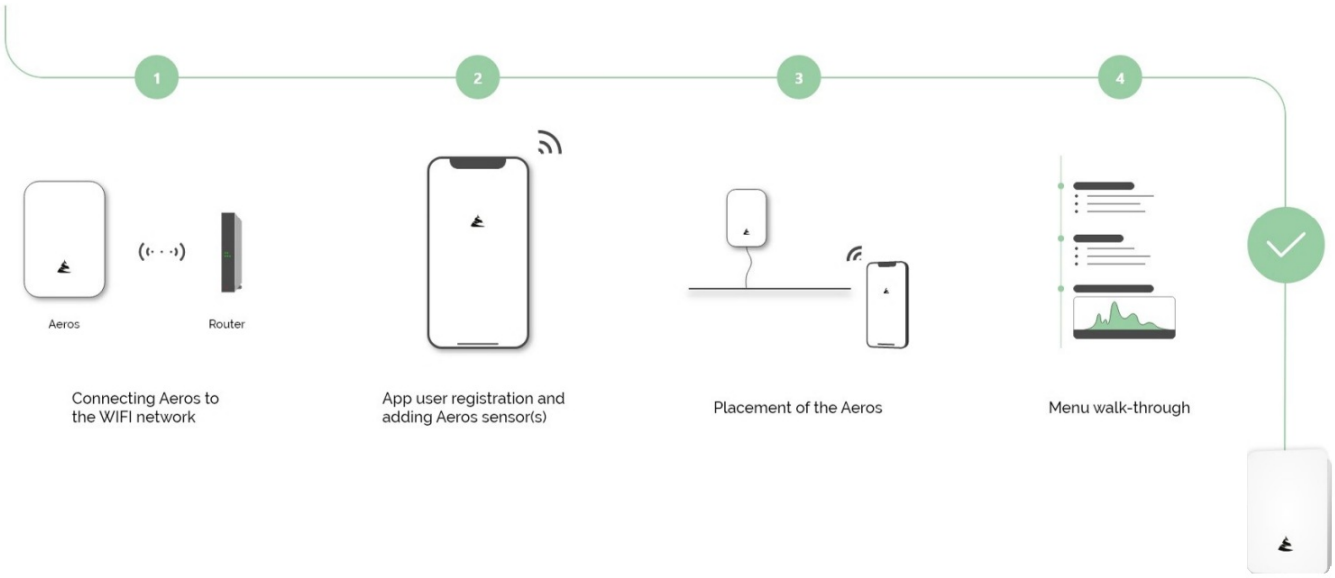
Instructions for Aeros installation



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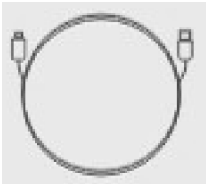

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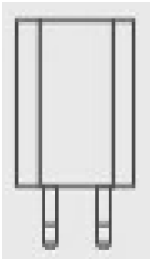
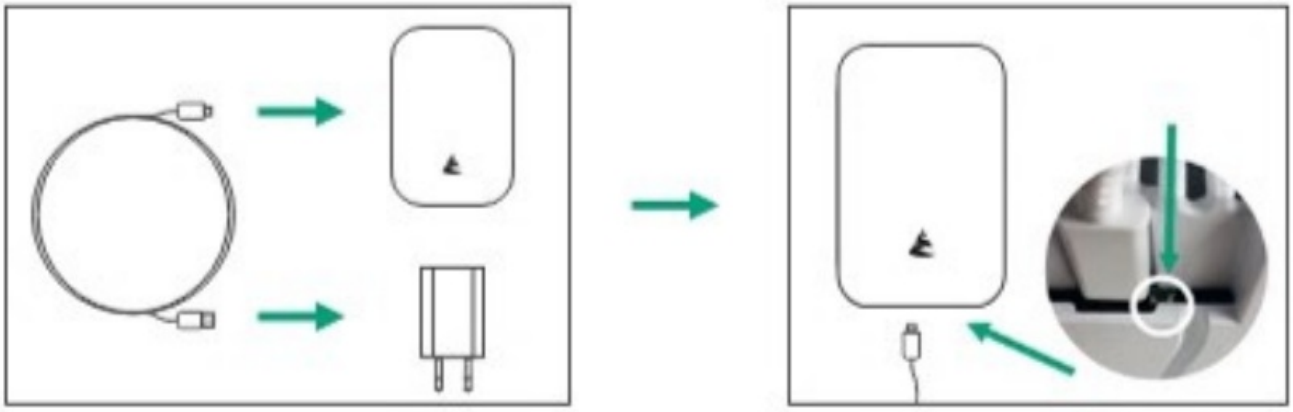


Air quality under control.
Knowledge by measuring!

Connecting Aeros to the WIFI network

1. **Connect the Aeros with the supplied cable and adapter**
   The cable contains a **USB-A** and **mini USB** output. Connect the USB-A output with the adapter and the mini-USB output with the Aeros. The **set-up** is now complete and activation can begin.



2. **Activation of the Aeros**

   Now the Aeros can be activated. Plug into the wall socket and repeat until the Aeros emits white light. The device can also be manually activated by pressing the switch next to the mini-USB output.

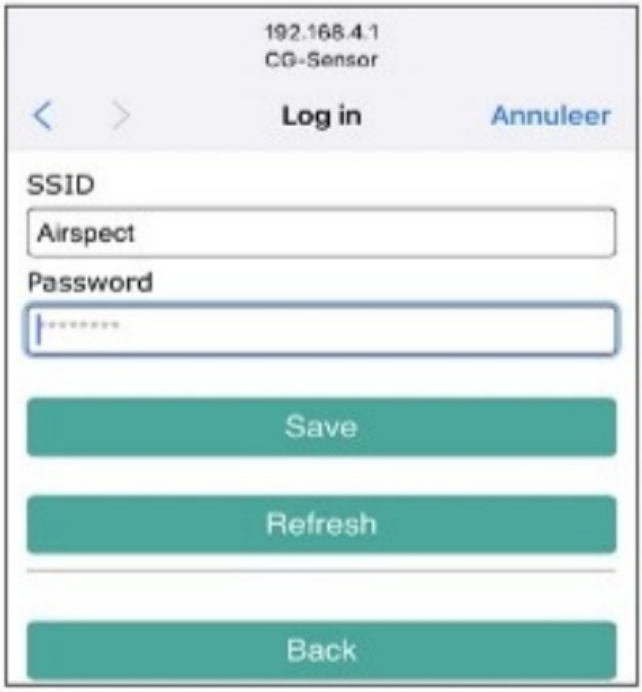
3. **Log into the WIFI network**

   In order to be able to view the values measured by the Aeros on a smartphone or tablet. the Aeros must be logged on to the Wi-Fi network of the **room** whose **indoor climate** is to be measured.

   Go to wifi settings on your mobile phone or tablet. select the the wifi option. You will now see the available networks. Select the **“CG-sensor”** option.

4. **Select the WIFI network**

   Now select the Wi-Fi network where you place the Aeros. Now enter the password of this WiFi network. The Aeros will now **automatically** log in to the selected network. This can take up to one minute.



5. **Successful connection with WIFI network**

   The Aeros is ready when the light **flashes once** and **blinks** green.

   The Aeros is now successfully connected to the WiFi network. which enables the connection with your mobile device via the Aeros app.

6. **Support**

   In exceptional cases. the Aeros may **not** log in on the **first attempt.** If that happens. you will need to repeat this step.

   If login is unsuccessful **after several attempts.** check if a **firewall** is installed on the computer. It is possible that access to the Aeros is **being blocked** by setting the firewall. If so, you will need to change the firewall settings for accessing the Aeros. Ask your system administrator for help. If you get **red blinking Lights,** the password is probably incorrect.

App user registration

1. **Find the Aeros App**

Go to the **Apple app store** or **Google play store.** Find the App named “Aeros” or scan the additional OR code for a direct link in order to download the application in your preferred App store.

You must download and install this App in order to monitor your sensor(s).

Aeros

Service application

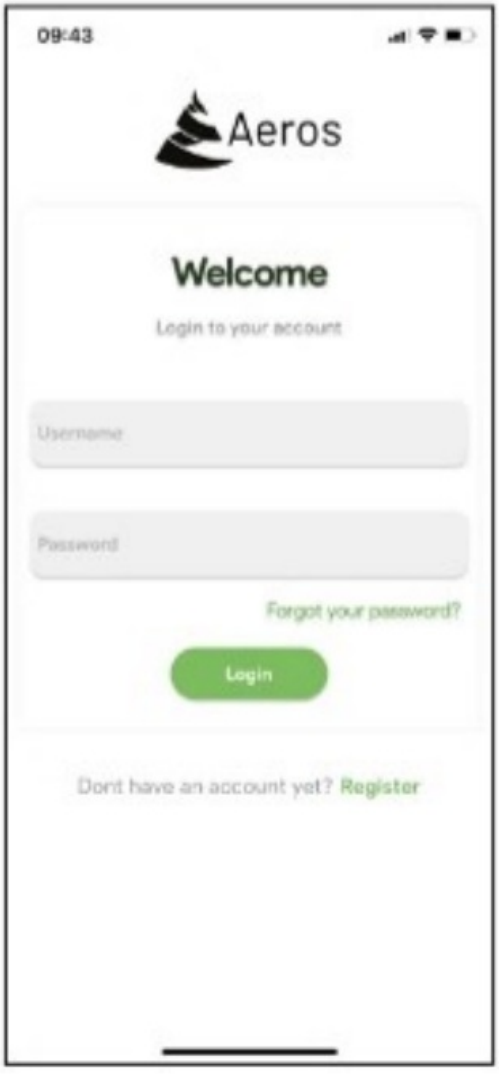
2. **Login and register**

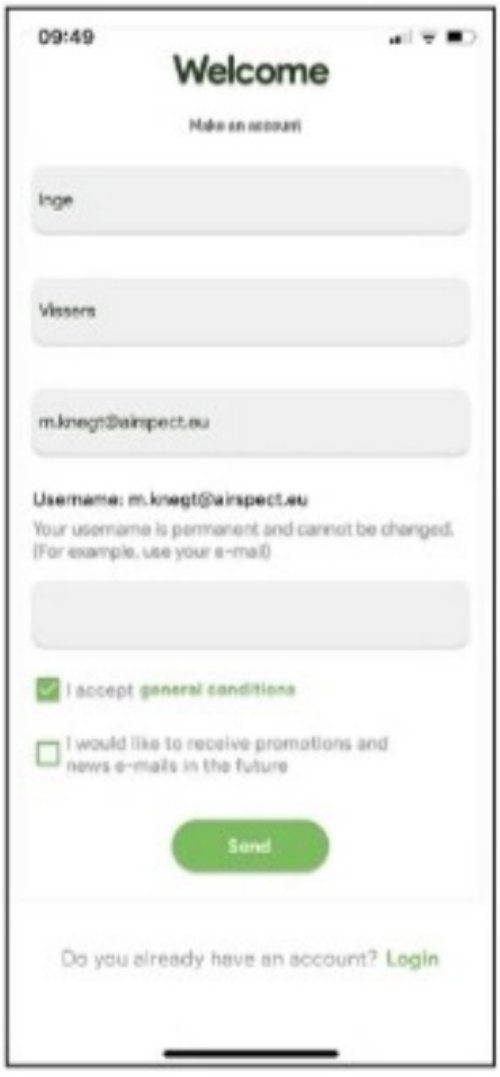
   To use the App. you must first register by clicking on “Register” and fill in your details to create an account. In order to access the web portal (if applicable for you). the registration information is also needed.

   If you are already registered. select the option **“Login”.**

   Forgot your password?

   Click the dedicated button if you have forgotten your password. You will receive an email so that you can enter a new password.



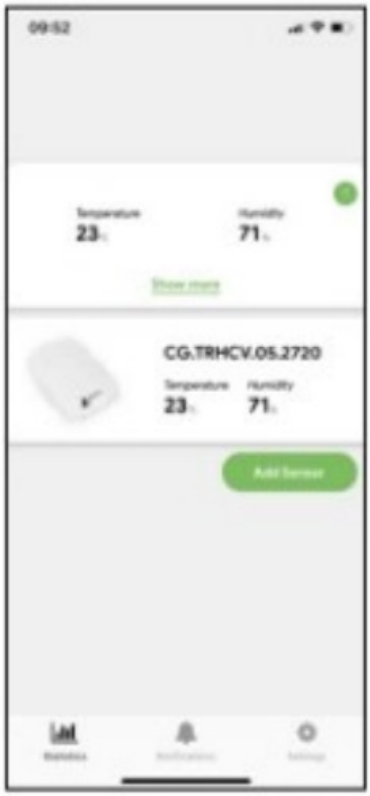


3. **Connecting Aeros Sensor**

   Press **“Add sensor”.** Now go to **“scan QR code”** and activate the camera. The OR code is located on the

back and side of the Aeros.

Now the Aeros has been scanned and you will see this screen. Press **“Add sensor”.** The sensor will then be added to the Aeros app.



Placement of the Aeros Sensor

Complete Aeros installation

Now we are going to place the Aeros. Preferably in the center of a room Use the 2 adhesive slrips lo allact1 tt1e Aeros. Below advice for an optimal result.

- Power outlet with **permanent power supply** (eg. Not behind a light switch)
- The climate sensor must be installed at a **height of 1.50 – 1.80m (60 – 72 inches.)**
- The climate sensor must be **mounted on a fiat surface**
- The climate sensor must **not** be mounted on metal surfaces
- Not too close to a **window, door** or in a **draft**
- Do not install in a place where **direct sunlight** can hit the climate sensor

Menu explanation

Support Aeros use

Depending on which version of the sensor. the Aeros measures multiple parameters of the indoor climate.

Press for more information about the parameters.

The Aeros gives a score for comfort (Temperature and Relative Humidity) and health (TVOC. CO2 and Particulate

matter). Press the text eg CO2 to enter values for a specific channel. The red dotted line indicates a limit value and the orange is a warning line.

With notifications you can see the messages regarding the indoor climate. This helps you to keep the indoor climate clean and safe. You also have the choice to receive **push notifications.** turn them on or off via the green pencil in the settings.

These are the most urgent and important **notifications.** Aeros refreshes the data automatically every **30 seconds.** ensuring **real-time** information.

The wheel gives you access to a menu where you:

1. Can change the name of the sensor to your choice
2. Can switch the Aeros traffic light function on and off

   After this the Aeros gives of a green/orange/red light related to the CO2 level.
3. MUST select the country the Aeros is located

Wissensbasis

Type	Description
Particulate matter / PM	Collective name for the small particles in the air. It is invisible to the naked eye. Almos t all human activities produce particulate matter. such as cooking and driving a car. Th e smaller the particle. the more harmful to health. PM 1 (Parts per million) is referred t o as ultra-fine particles. Ultra-fine dust enters the lungs and is extra harmful for childre n and adults with lung diseases. The Aeros also measures PM 0.3. on this channel. a erosols are measured. Aerosols are possible virus transmitters. The WHO standards f or particulate matter are PM 10 and PM 2-5 and have a limit value of 50 uq (micromet res) m3 and 25 ug m3 respectively.
Relative humidity	The ratio between the amount of water vapor present in the air and the maximum amo unt that could enter it. A percentage between 40% – 60% is ideal. Too high a humidity can cause mold to form. Too low a humidity is unfavorable for the condition of mucous membranes. eyes. nose and throat. It can also lead to reduced resistance to infection s.
TVOC	Collective term for a group of hydrocarbons that evaporate easily. These chemicals ar e found in other build ing materials. cleaning products and paint. Short-term exposure causes irritation to eyes and mucous membranes. At high concentrations cannot be ru led out for health effects on organs. A value below 500 PPB (parts per billion) is ideal. Values above 1000 PPB should be avoided.
CO2	Carbon dioxide (CO2) is a gas naturally present in the atmosphere. The CO2 content i s expressed in PPM (parts per million). Too much CO2 displaces the oxygen intake in our body. As a result. the body switches to a bearing energy expenditure. leading to fa tigue. headaches and loss of concentration. Limit values differ by country. • NL -800 (green). 1000 – 1200 (orange). 1200+ (red). • BE -goo (green}. 1000 – 1200 (orange) – 1200+ (red). • DE -1000 (green). 1000 – 1400 (orange) – 1400+ (red).
Temperature	A measure of how hot or cold the air is. The ideal temperature is between 19 and 24 d egrees Celcius (64 – 75 degrees Fahrenheit)

Documents / Resources

	Aeros Particulate Matter Humidity and CO2 Sensor [pdf] Installation Guide None mentioned in the provided text, Particulate Matter Humidity and CO2 Sensor, Matter Hum idity and CO2 Sensor, Humidity and CO2 Sensor, CO2 Sensor, Sensor