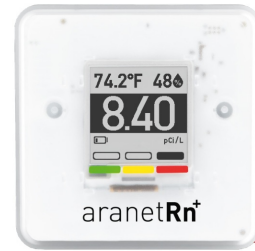



 aranet
TDSPSRH2
Radon
Plus
sensor



aranet TDSPSRH2 Radon Plus sensor User Guide

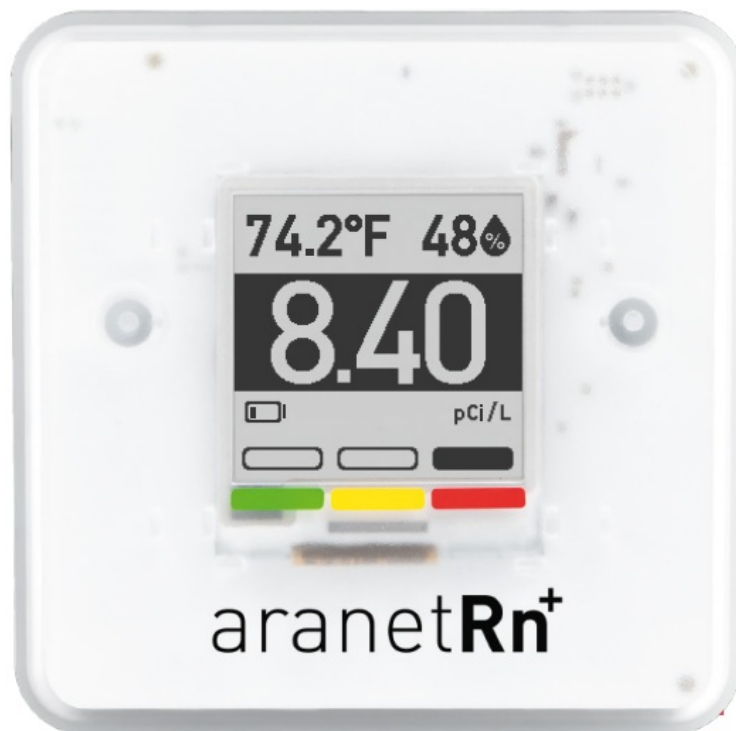
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aranet TDSPSRH2 Radon Plus sensor



Specifications:

- Product Name: Radon Plus sensor
- Product Number: TDSPSRH2
- Real-time radon monitoring
- Wireless functionality
- E-Ink display for easy reading
- Long battery life for continuous monitoring

Product Usage Instructions

What does Aranet Radon Plus measure?

Radon gas is tasteless, odorless, and poses serious health risks. Aranet Radon Plus sensor offers real-time radon monitoring to help detect this harmful gas in your indoor environment. The device provides accurate measurements and is recommended by WHO for monitoring radon levels.

Setting up the device:

To set up the device, follow these steps:

1. Insert the batteries with correct polarity.
2. Press the switch to power on the sensor.
3. Wait for 10 minutes for the first measurement to appear.
4. It takes 1 hour to achieve full measurement accuracy.

Device Configuration:

To configure the device:

1. Adjust radon levels averaging period using the switch (10 min, 24h, 7d, 30d).
2. To enter settings, press the switch inwards.
3. Most settings can be configured in the Aranet Home app.

Aranet Home App:

To utilize the Aranet Home app:

1. Download the app by scanning the QR code or clicking the provided link.
2. Pair the sensor with the app by following the instructions in the app menu.

Additional Information:

For more technical details, refer to the Aranet Radon sensor data sheet provided by the manufacturer.

FAQ:

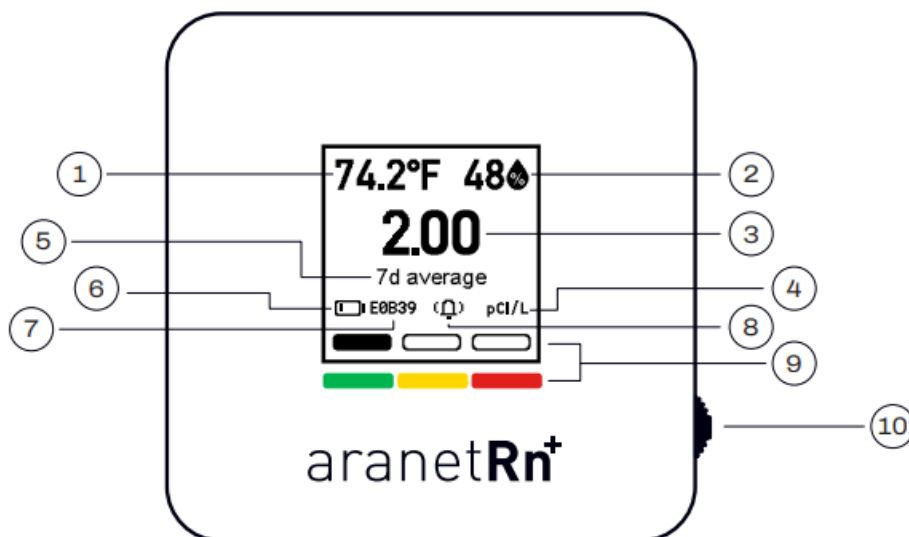
Q: What should I do if the sensor displays a high humidity message?

A: If the sensor shows a high humidity message, move it to a drier location to resume normal operation.

Q: When should I reset the measurements on the device?

A: Reset the measurements if you receive the device from someone else and want to clear previous data or if you wish to start fresh with new data (e.g., at the beginning of a new year).

OVERVIEW



1. Temperature (°C, °F)
2. Relative humidity (%)
3. Radon level
4. Radon level units (pCi/L, Bq/m3)
5. Averaging period for measurement (24h, 7d, 30d)
6. Battery level
7. Device number
8. Buzzer status (If this symbol is not visible, the buzzer is switched off)

9. Radon threshold indication
10. Action Switch
(Press to enter the menu or push up and down to switch measurement types)

What does Aranet Radon Plus measure?

Radon gas is tasteless, odorless, and hard to detect, posing serious health risks. It escapes from the ground into the air and can accumulate in your home. According to the World Health Organization¹, radon is one of the leading causes of lung cancer. Since its levels can fluctuate regular radon monitoring is vital.

Aranet Radon Plus sensor offers real-time radon monitoring. With wireless functionality and qualitative components, it ensures accurate measurements. The E-Ink display and long battery life make it ideal for continuous indoor air quality monitoring.



Green

(Under 2.7 pCi/L)
Under 100 Bq/m³

Recommended by WHO as national reference for annual average residential radon concentration

Yellow

(2.7 pCi/L to 8.1 pCi/L)
100 Bq/m³ to 300 Bq/m³

Recommended by WHO as national reference annual average residential radon concentration even for countries with specific conditions

Red

(Above 8.1 pCi/L)
Above 300 Bq/m³

Prolonged exposure to such radon concentrations linked to health problems

Temperature²

The optimal indoor temperature ranges from 18 to 24 °C / 64 to 75 °F

Relative humidity³

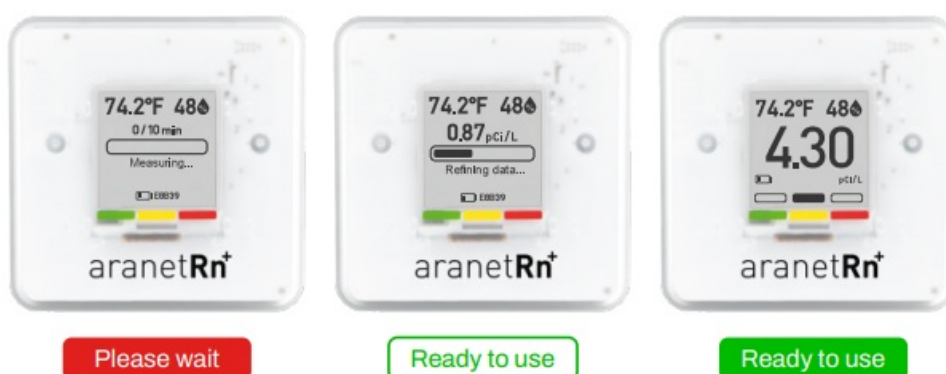
The ideal relative humidity is between 30 – 50 % indoors. Low humidities (< 30 %) can cause skin to get dry and irritable. Environments that are too high (> 50 %) cause bacteria and mold to breed.

Setting up the device

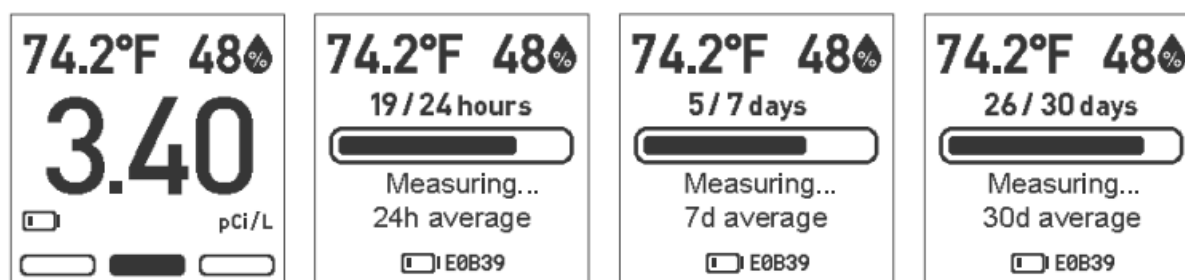
Insert the batteries, ensuring the correct polarity, and your Aranet Radon Plus sensor is ready to go! Press the switch to continue.



Please wait 10 minutes for the first measurement to appear. It takes 1 hour to achieve full measurement accuracy.



If the sensor operational time is shorter than the selected average measurement time, a status indicator will be displayed.



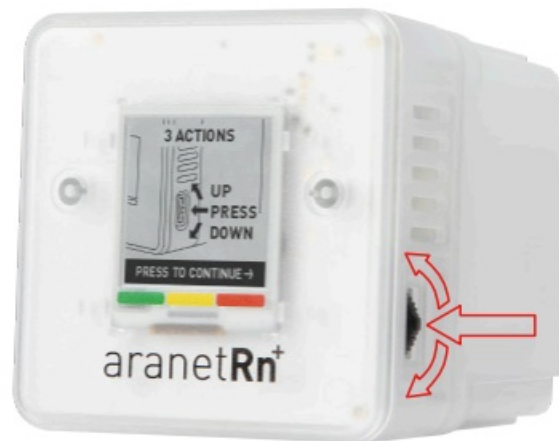
CAUTION

If the sensor is exposed to humidity over 85%, a message about high humidity will appear on the screen. Place the sensor in a drier location, and it will resume normal operation.

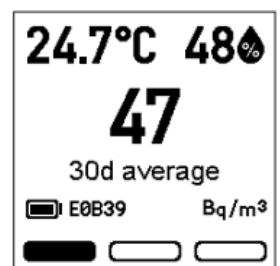
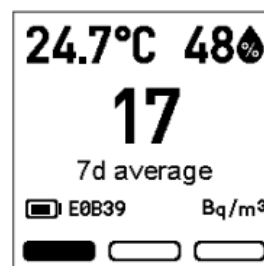
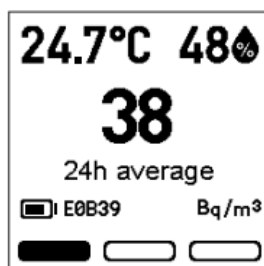
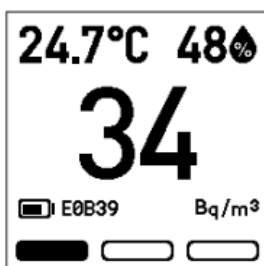
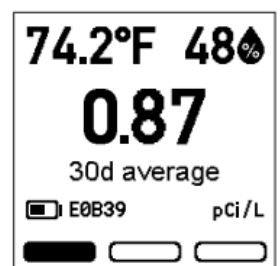
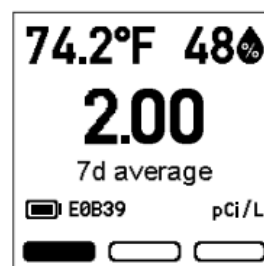
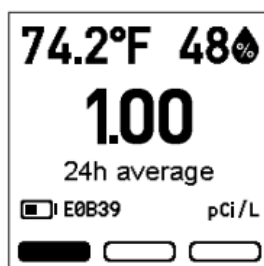
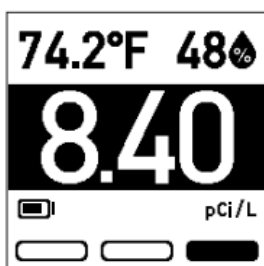


Configuration of the device

- To change the radon levels displayed for different averaging period (10 min, 24h, 7d, 30d) push the switch up or down.
- To enter the settings, press the switch inwards.
- Most of the settings are configurable in the Aranet Home app.



Push the switch up or down to select the radon levels averaging period.



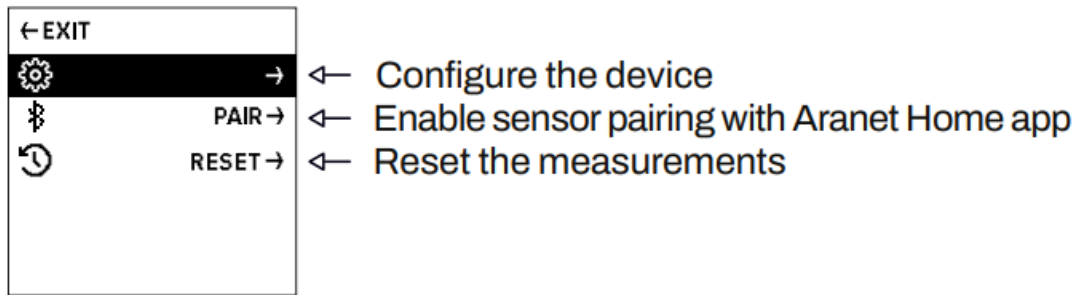
10 minutes

24 hours

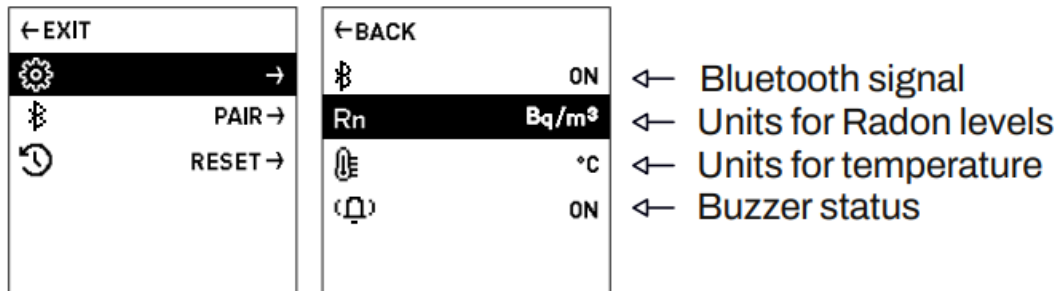
7 days

30 days

To enter the settings, press the switch inwards. In settings you can:

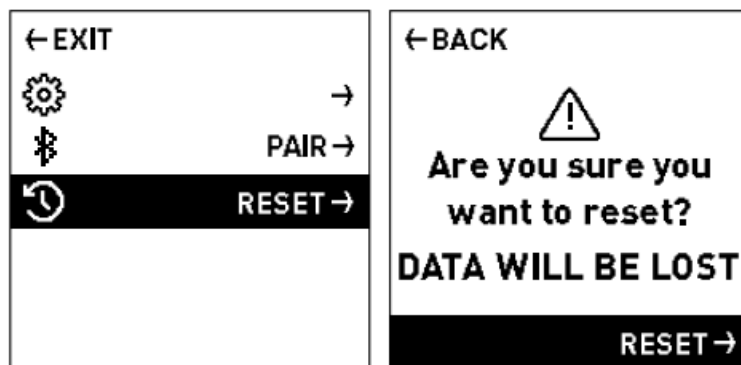


To navigate the menu push the switch up or down. Press the switch inwards again to choose an item.



When a reset is performed the data will be permanently lost. You should reset this history only if:

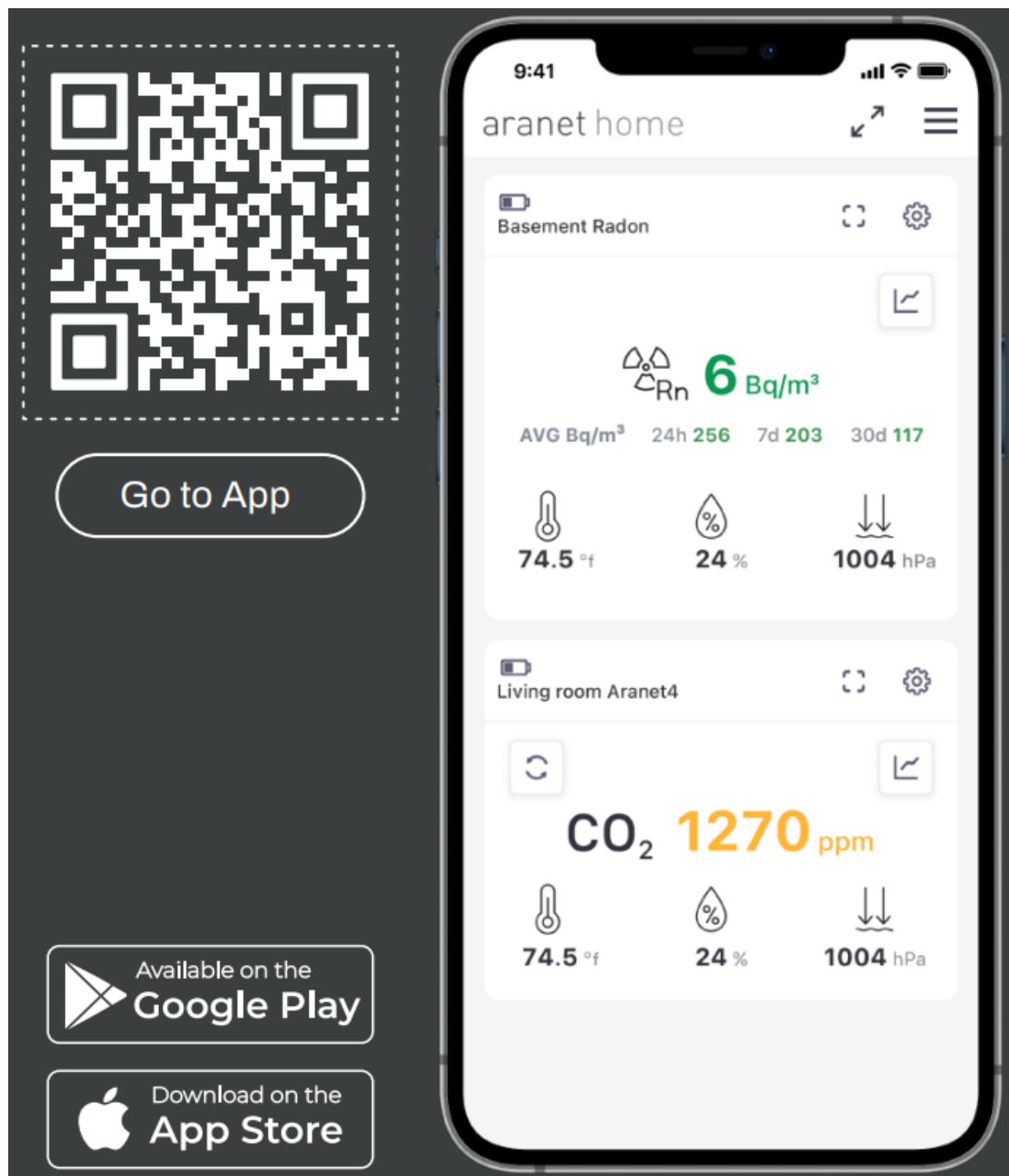
- The device is passed to you by someone else and the data does not apply to you anymore.
- You just want to start fresh, like at the beginning of a new year, as the data will be permanently lost.



For more technical information see Aranet Radon sensor data sheet.

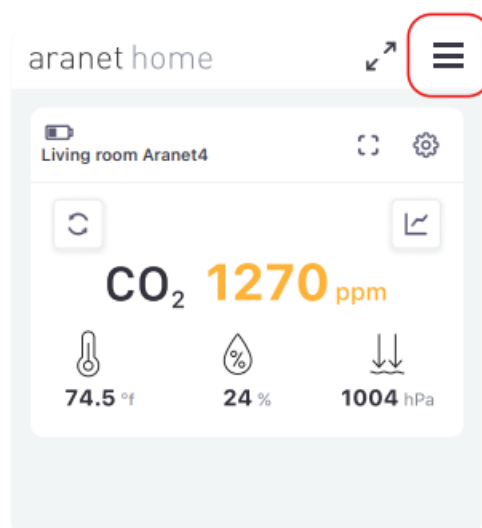
Aranet Home app

Open and use phone camera to scan QR to download the app or click the button

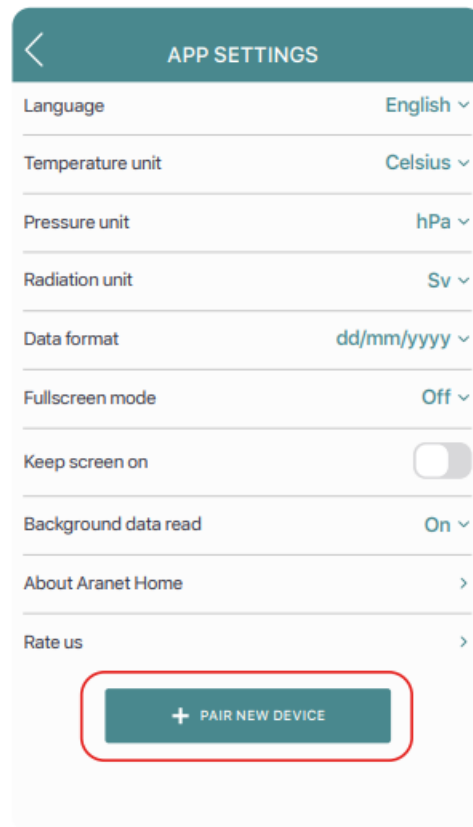


Pair the sensor to Aranet Home app

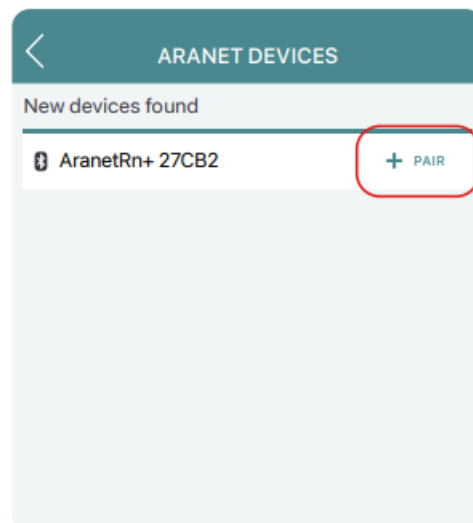
1. To initiate pairing, navigate to the menu in Aranet Home app



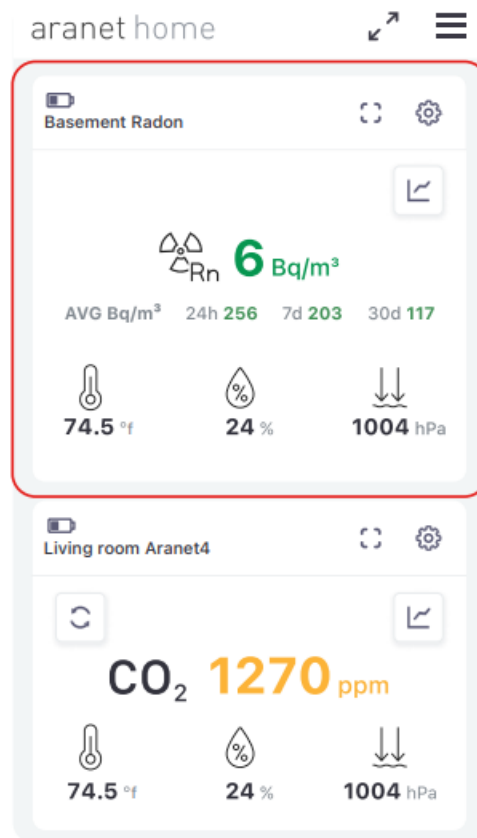
2. select "PAIR NEW DEVICE."



- Find your sensor in the list—the sensor device number is shown on the sensor screen. Click “PAIR” and follow the pairing procedure.



- Once pairing is complete, your sensor is ready to use.



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Aranet4 HOME

Perfect companion for indoor environments. Aranet4 monitors CO₂ concentration, temperature, relative humidity, and atmospheric pressure.



Aranet Radiation

Aranet Radiation sensor ensures comprehensive ionizing radiation monitoring by measuring both the total dose and dose rate, with an optional instant audial ionizing radiation detection feature



Aranet2 HOME

A simple solution for monitoring indoor temperature and relative humidity.

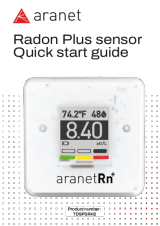


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Documents / Resources

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References

- [Aranet](#)
- [User Manual](#)

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