

aranet4 TDSPC0H3 Sensor User Guide

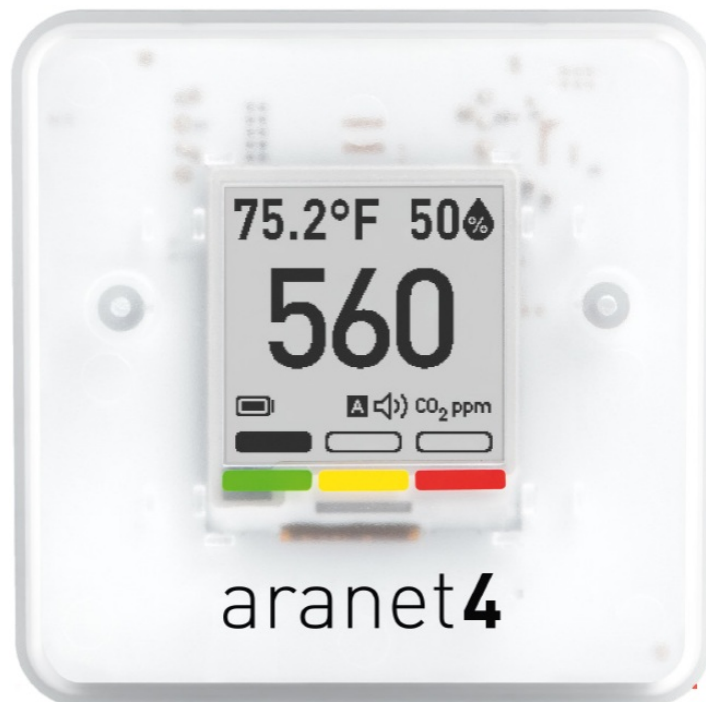
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aranet4 TDSPC0H3 Sensor



Product Information

Specifications

- Product: Aranet4 sensor
- Product number: TDSPC0H3
- Measurements: CO levels, Temperature, Relative Humidity

Product Usage Instructions

Initial Setup

Pop in the batteries to power on the Aranet4 sensor. Ensure it is not in direct sunlight or high-humidity environments (>85%).

Configuration Switches

Use the attached pin to adjust settings behind the battery. Configure CO calibration mode, temperature units, and Bluetooth connectivity.

Connecting to Aranet Home App

Download the Aranet Home app on your smartphone and pair it with the Aranet4 sensor to access measurement data, historical records, adjust thresholds, and more.

Calibration

The Aranet4 sensor comes pre-calibrated from the factory, eliminating the need for manual calibration adjustments. Refer to the user manual for more details.

FAQ

• What does Aranet4 monitor?

The Aranet4 sensor monitors CO levels, temperature, and relative humidity. It provides information on optimal CO levels for indoor environments and the impact of varying CO concentrations on cognitive function.

- **How do I pair the sensor with the Aranet Home app?**

To pair the sensor, open the Aranet Home app, navigate to the menu, select “PAIR NEW DEVICE,” find your sensor in the list, click PAIR, and follow the pairing procedure. Once complete, your sensor is ready to use.

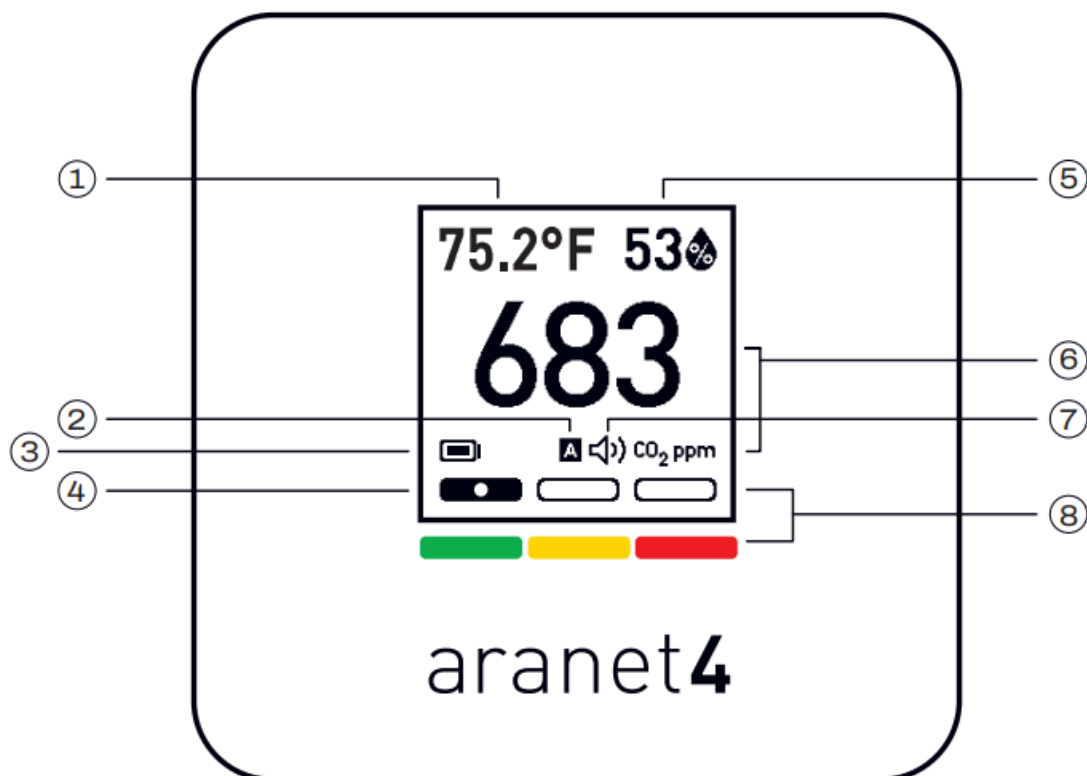
- **Where can I find more technical information about the Aranet4 sensor?**

For more technical details, refer to the Aranet4 sensor data sheet available on the manufacturer’s website or consult the user manual for comprehensive information on usage and specifications.

Aranet4 sensor Quick start guide

Product number: TDSPC0H3

1. Temperature (°C, °F)
2. Automatic calibration
3. Battery level
4. Adjustable CO₂ thresholds
5. Relative humidity (%)
6. CO₂ concentration
7. Buzzer status
8. CO₂ threshold indication



What does Aranet4 monitor?

CO₂ levels¹

CO₂ is expressed in parts per million (ppm)



Green

420 ppm

fresh outdoor air

Below 800 ppm

optimal CO₂ level indoors



Yellow

1000 to 1400 ppm

brain cognitive function
decreases by 15 %



Red

Over 1400 ppm

brain cognitive function
decreases by 50 %

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.

Pop in the batteries and your Aranet4 is ready to go.

Caution

- The Aranet4 is not impact resistant
- Do not leave an Aranet4 in direct sunlight
- Do not expose an Aranet4 in high-humidity environments (> 85 %)

1. aranet.com/library/harvardstudyco2
2. aranet.com/library/epahumidityguidelines
3. aranet.com/library/whotemperatureguidelines

Configuration switches

Switches can be found behind the battery.
Use the attached pin to adjust these settings.

Change CO₂
calibration mode⁴

Change
temperature units

AUTO

°C

MANUAL

°F



OFF



OFF

Connection
to Aranet
base stations
(only for
Aranet4 PRO)

Turn Bluetooth on or off
(connection to Aranet Home app)

Download the Aranet Home app and connect your smartphone to the Aranet4:



Access
measurement data



Store up to 90-day
measurement history



Adjust CO₂ thresholds
and set the buzzer



Change sensor measurement
frequency and much more



Track atmospheric
pressure

Download the Aranet Home app and connect your smartphone to the Aranet4:

[See more](#)

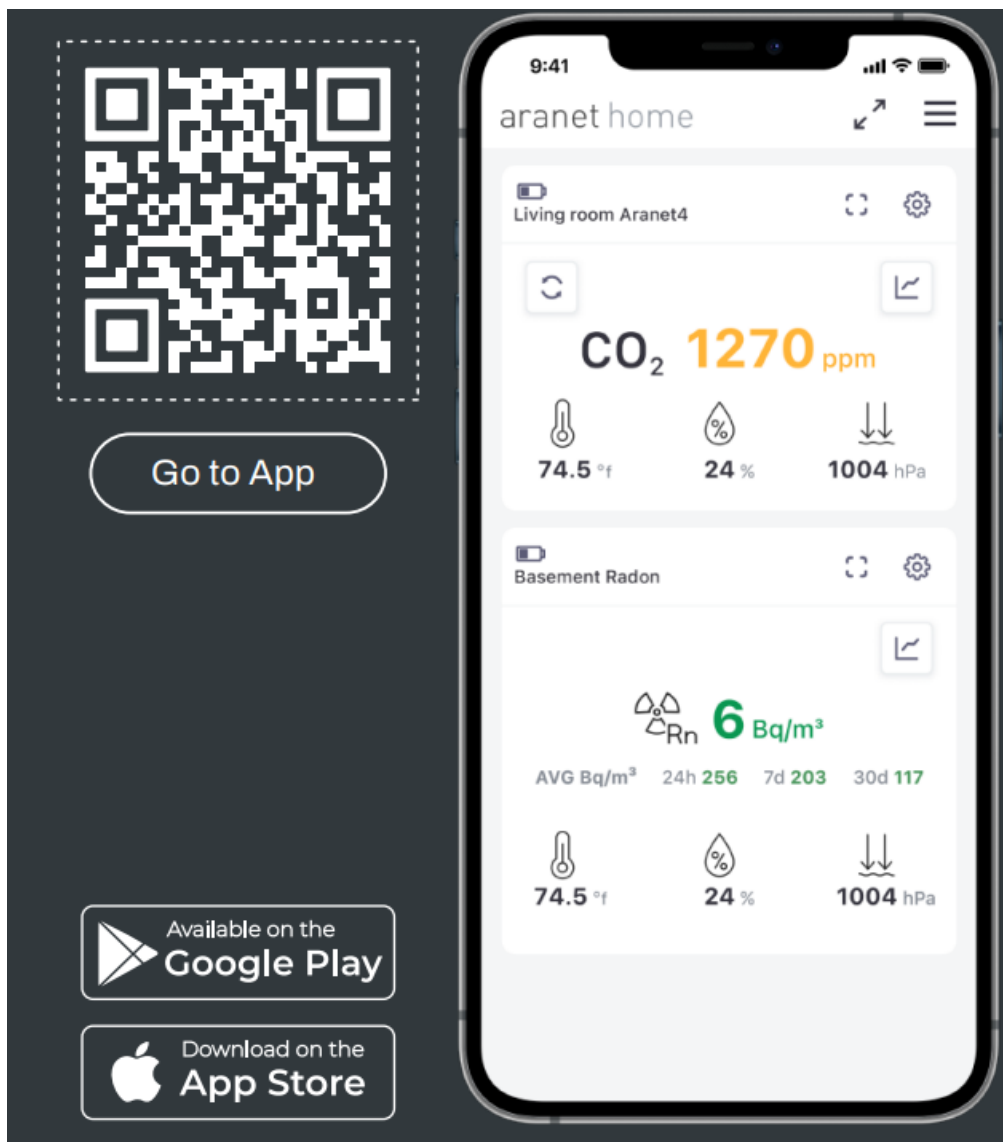
For more information, please see the user manual

[See more](#)

⁴Your Aranet4 has been calibrated at the factory. So, there is no need to change the calibration mode now. For more information, please see the user manual.

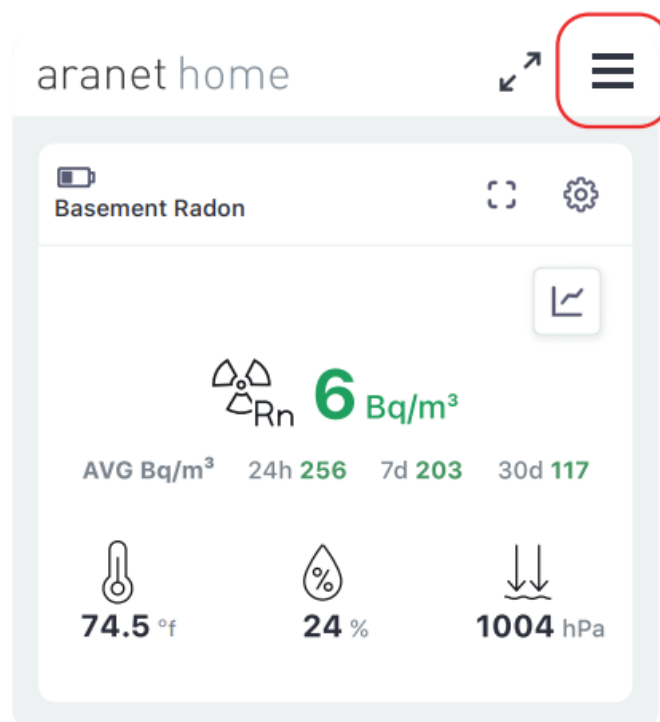
Aranet Home app

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

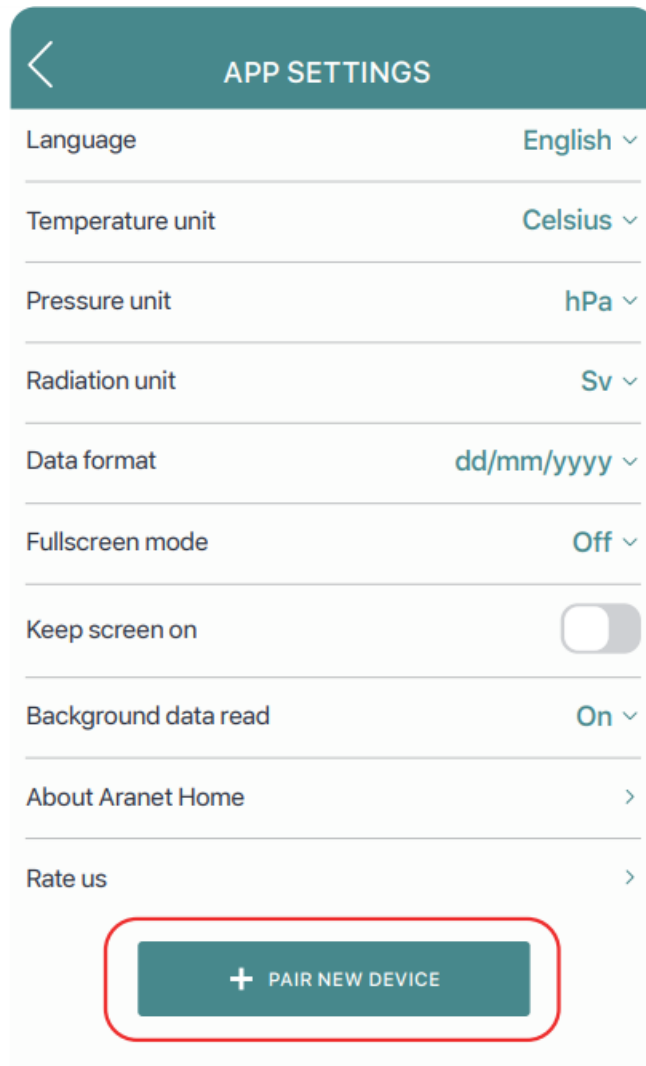


Pair the sensor to Aranet Home app

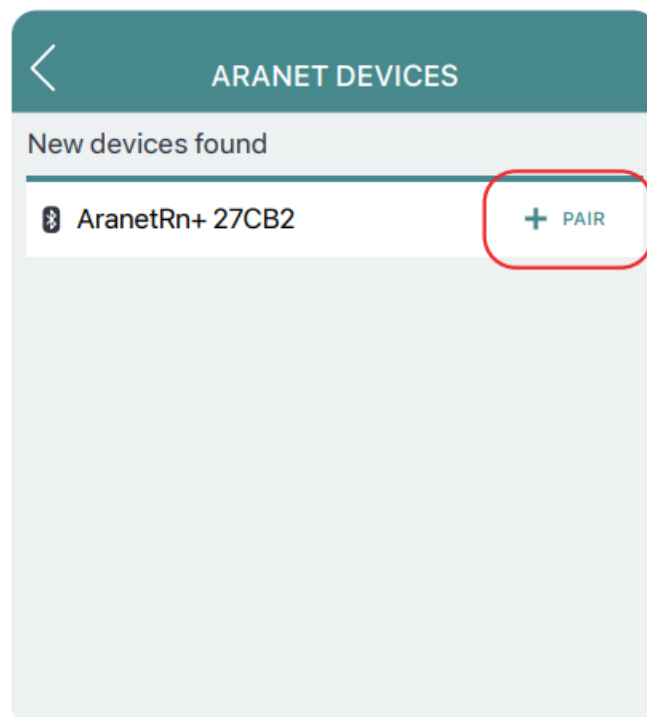
1. To initiate pairing, navigate to the menu in Aranet Home app



2. select “PAIR NEW DEVICE.”



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



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



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available



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Documents / Resources

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References

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

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