

Smarter business

Product overview



Indoor and outdoor monitoring solutions



Up to 10-year sensor battery life



Wireless monitoring for ultimate flexibility



Line-of-sight range up to 3 km / 1.9 miles



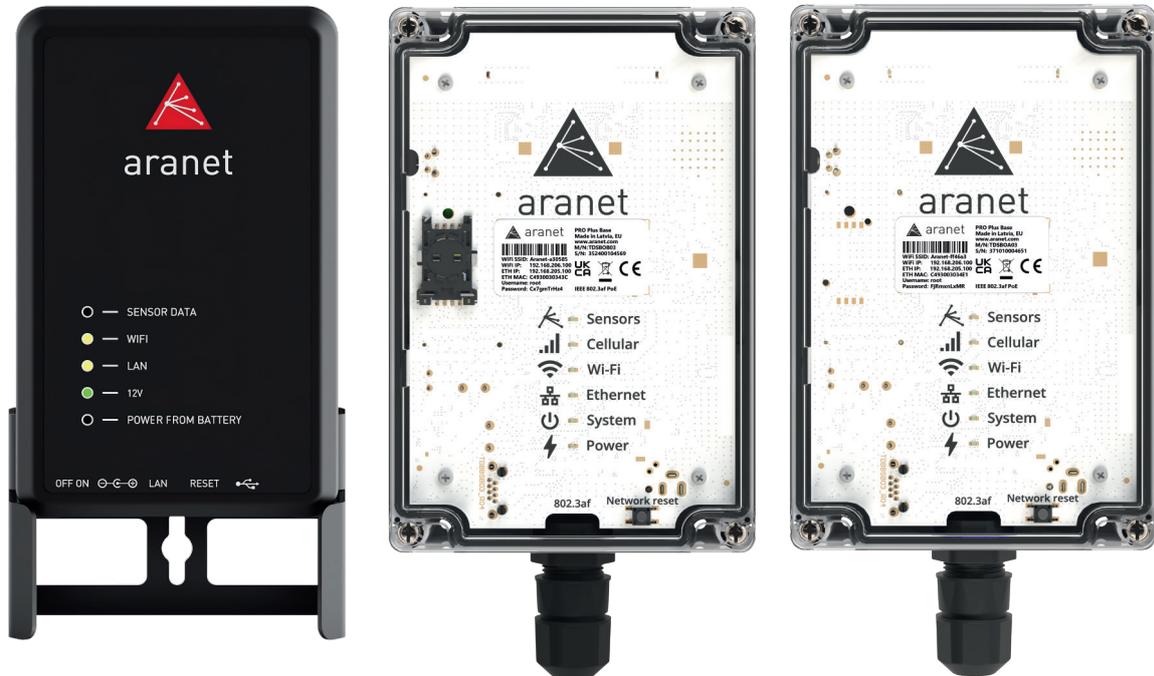
Aranet Cloud service



Up to 100 sensors per base station

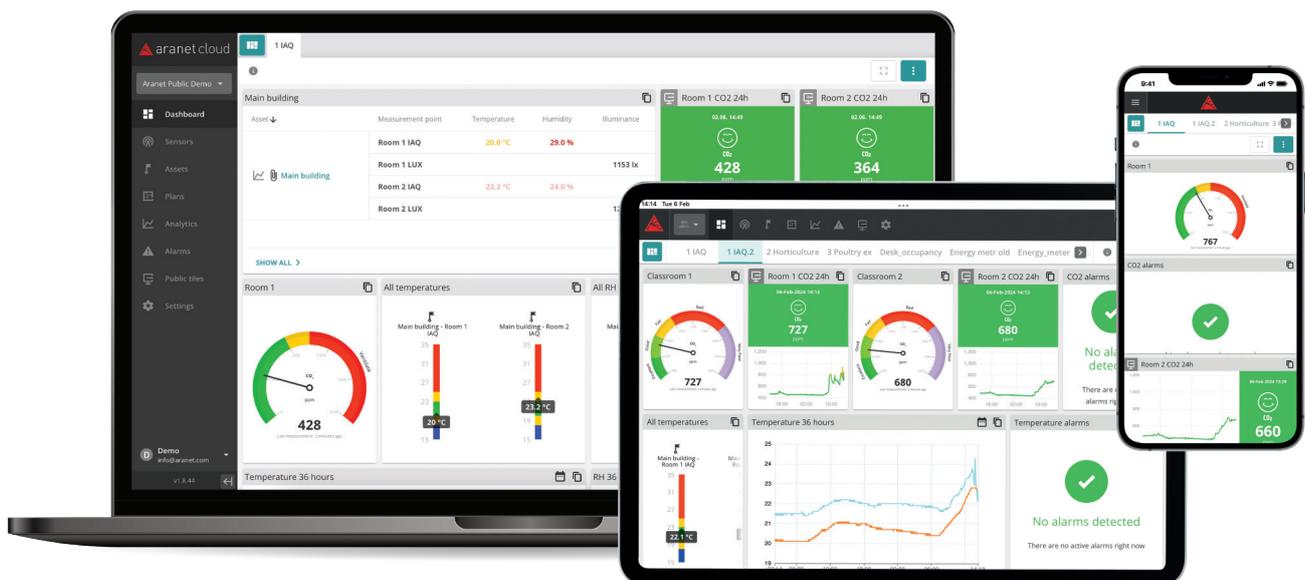
PRO / PRO Plus base station

An industrial-grade wireless environmental monitoring solution. It has internal memory and a built-in web server with free software for easy viewing, analyzing, and comparing data in real-time, as well as for setting thresholds for alarms and exporting reports. The base station gathers readings from wireless sensors within the range of **up to 3 km / 1.9 mi**. Available for indoor or outdoor environment, with or without LTE modem. Connect base station to Aranet Cloud for full Aranet ecosystem experience.



Aranet Cloud

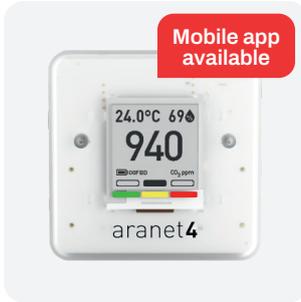
Aranet Cloud gathers the data from base stations and enables 24/7 uninterrupted and secure centralized data monitoring and analysis across all the monitored locations, regardless of whether it's a single venue or multiple geographically distributed locations.



- Choose how to view your data
- Remotely manage all Aranet devices
- Adaptable to your business needs
- Smart and effective alerting
- Simple integration with 3rd party systems
- Share your data publicly

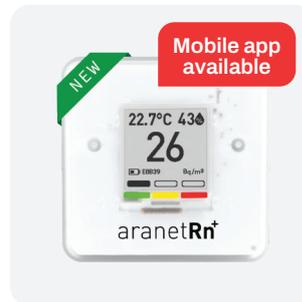
Indoor air quality sensors

Designed to optimize indoor air quality for healthier living and working environments. CO₂ sensors use NDIR technology for precise detection, while PM sensors track PM1.0, PM2.5, and PM10. The Radon Plus features the world's fastest battery-operated radon sensor!



Aranet4 HOME / PRO

CO₂: 0-9999 ppm
Temperature:
 0 °C - 50 °C
 32 °F to 122 °F
Relative humidity: 0 % to 85 %
Atmospheric pressure:
 600 - 1100 hPa
Battery life up to: 3 years
IP class: IP20



Radon Plus HOME / PRO

Radon: 0-4000 Bq/m³
Temperature:
 0 °C - 50 °C
 32 °F to 122 °F
Relative humidity: 0 % to 85 %
Atmospheric pressure:
 600 - 1100 hPa
Battery life up to: 10 years
IP Class: IP20



PM sensor

Particulate matter measurement
 PM1.0, PM2.5, PM10
Measurement range:
 0 - 1000 µg/m³
Power source:
 External power supply
IP class: IP42



Aranet2 HOME / PRO

Temperature:
 0 °C - 50 °C
 32 °F to 122 °F
Relative humidity: 0 % to 85 %
Battery life up to: 3 years
IP class: IP20

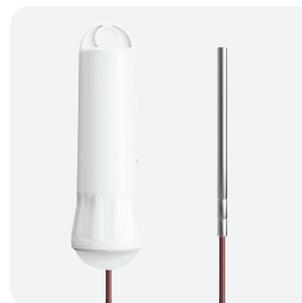
Temperature sensors

Measure and monitor air, liquid, and solid surface temperature. The probe can be placed in liquids or places that require close contact temperature measurements, like heating pipes or soil. Use cases include air conditioning and ventilation systems (HVAC), food industry, pharmaceutical industry, R&D laboratories.



T probe

Temperature:
 -55 °C to 105 °C
 -67 °F to +221 °F
Battery life up to: 10 years
IP class: IP68



PT100 sensor

Temperature:
 -50 °C to 180 °C
 -58 °F to 356 °F
Battery life up to: 12 years
IP class: IP68



PT1000 4-Probe Temperature Sensor

Measures temperature simultaneously with four platinum resistance thermometer probes.
Temperature:
 -30 °C to 180 °C
 -22 °F to 356 °F
Battery life up to: 10 years
IP class: IP65



T Compact sensor

Temperature:
 -40 °C to 60 °C
 -40 °F to 140 °F
Battery life up to: 8 years
IP class: IP68

T/RH sensors

T/RH sensors measure temperature and relative humidity. Aranet sensors are extremely durable and can be placed in both inside and outside environments as well as humid locations.



T/RH IP42

Temperature:
-40 °C to 60 °C
-40 °F to 140 °F
Relative humidity: 0 % to 100 %
Battery life up to: 10 years
IP class: IP42



T/RH IP67

Temperature:
-40 °C to 60 °C
-40 °F to 140 °F
Relative humidity: 0 % to 100 %
Battery life up to: 10 years
IP class: IP67

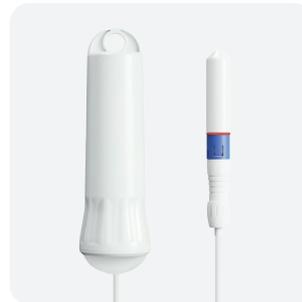
T/RH probes

Provide very accurate temperature and relative humidity measurements. Perfectly suitable also for harsh environments.



T/RH probe

Temperature:
-40 °C to 85 °C
-40 °F to 185 °F
Relative humidity: 0-100 %
Battery life up to: 10 years
IP class: IP67



T/RH probe (NH₃ resistant)

Temperature:
-40 °C to 85 °C
-40 °F to 185 °F
Relative humidity: 0-100 %
Battery life up to: 10 years
IP class: IP67

Gas sensors

Designed for leak detection, workplace safety, and personal safety. Suitable for the most challenging environments.



CO₂ and Temperature sensor

CO₂: 0-9999 ppm
Temperature:
0 °C to 50 °C
32 °F to 122 °F
Battery life up to: 8 years
IP class: IP67



NH₃ sensor kit

NH₃: 0-100 ppm
Power source:
External power supply
IP class (sensor): IP65
IP class (transmitter): IP67

Horticulture sensors

Specifically designed for greenhouses. The sensors measure a variety of parameters that help optimize yield predictions and save on energy, water, and fertilizers. Relative humidity and plant temperature are critical parameters to determine Vapor Pressure Deficit (VPD).



T/RH sensor with Radiation Shield

Temperature:
-40 °C to 60 °C
-40 °F to 140 °F
Relative humidity: 0 % to 100 %
Battery life up to: 10 years
IP class: IP65



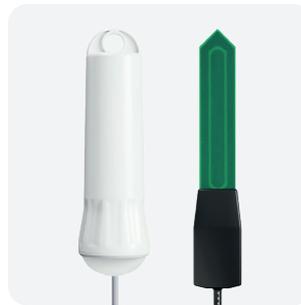
IR Plant Temperature sensor

Temperature:
-20 °C to 85 °C
-4 °F to 185 °F
Battery life up to: 10 years
IP class: IP65



Soil Moisture, EC and T sensor (WET150)

Soil and substrate moisture, electric conductivity, temperature
Battery life up to: 8 years
IP class: IP68



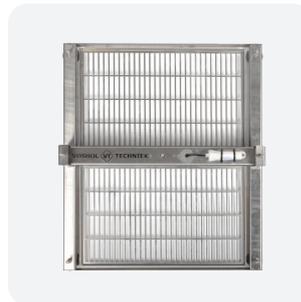
Soil Moisture sensor

Soil volumetric water content
Battery life up to: 10 years
IP class: IP67



Weight sensor

Weight: 0-50 kg / 0-100 kg
Battery life up to: 9 years
IP class: IP67



Aranet Weight sensor with frame

Weight measurements:
0-50 kg (accuracy $\pm 0.02\%$)
Battery life up to: 10 years
IP class: IP67



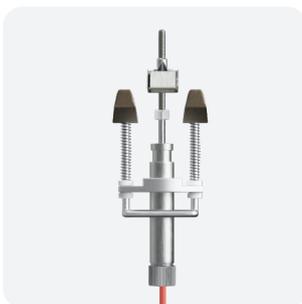
PAR sensor

Photosynthetic Photon Flux Density (PPFD)
Battery life up to: 9 years
IP class: IP68



Aranet Drainage sensor

Drain water flow monitoring.
Accuracy: $\pm 5\%$
Battery life up to: 10 years
IP class: IP67



Stem Micro-Variations sensor kit

Micro-variations of stem diameter: 0 to 5 mm
Power source: External power supply
IP class (sensor): IP64
IP class (transmitter): IP67



Sap Flow sensor kit

Relative variations of sap flow rate in plants petiole or small shoot
Stem diameter: 1 to 5 mm or 4 to 10 mm
Power source: External power supply
IP class (transmitter): IP67

Rain gauge

Monitor the quantity of rain and precipitation water. For applications in agriculture for irrigation and soil moisture management, weather stations, and water treatment plants.



Rain and Precipitation sensor kit

Precise rain and precipitation monitoring
Accuracy: $\pm 2\%$
Battery life up to: 10 years
IP class: IP68

Ambient light sensor

Wireless and battery-powered, made to easily monitor whether a building is sufficiently lit, as well as to see if energy is not wasted on excess lighting.



LUX sensor

Measurement range:
0 – 200 000 lux
Battery life up to: 7 years
IP class: IP68

Energy meter

Designed for precise measurement of electricity usage and frequency of use, tracking and optimizing energy consumption across various industries.



One-Phase Energy meter kit

Measures the amount and frequency that electricity is used
Battery life up to: 10 years
IP class (energy meter): IP51
IP class (sensor): IP68



Three-Phase Energy meter kit

Measures the amount and frequency that electricity is used
Battery life up to: 10 years
IP class (energy meter): IP51
IP class (sensor): IP68

Dry Contact meters

Contact sensor for open/closed and dry contact pulse detection. Ideal for energy and flow monitoring.



Dry Contact Hour meter

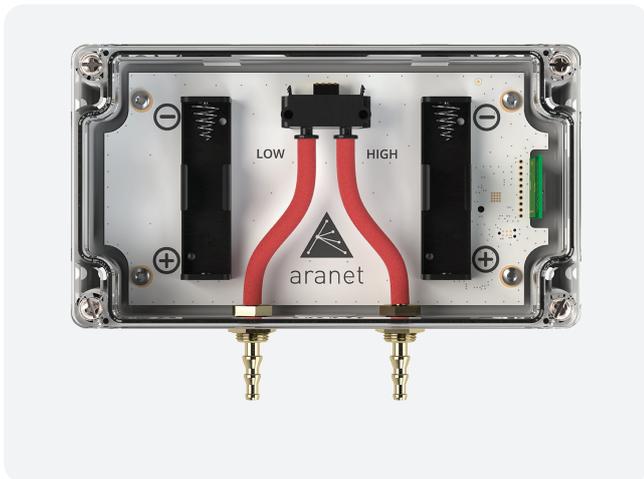
Detects the time the contact is either opened or closed between two wired contact points.
Battery life up to: 9 years
IP class: IP68

Dry Contact Pulse counter

Detects dry contact pulses. Perfect for electricity meters and water flow monitoring.
Battery life up to: 10 years
IP class: IP68

Differential Pressure sensor

Used to measure the air pressure difference between two points, suitable for HVAC, building automation, clean rooms, filter monitoring, and more.



Differential Pressure sensor

Pressure range: ± 500 Pa
Accuracy: 0.10 Pa + 3 % of reading
Battery life up to: 10 years
IP class: IP65

Current and voltage sensors

Solutions that easily integrate with third-party V and mA output sensors enable the monitoring of various parameters within the single Aranet ecosystem.



0-10 V transmitter

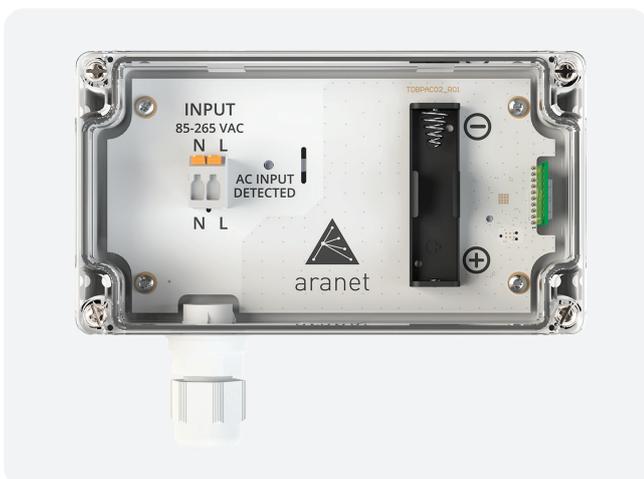
Voltage: 0-10 V
Built-in power supply options: 12 VDC and 24 VDC
Power source: External power supply
IP class: IP67

4-20 mA transmitter

Current: 4-20 mA
Built-in power supply options: 12 VDC and 24 VDC
Power source: External power supply
IP class: IP67

AC Hour meter

Accurately measures operational time for any device connected to the power grid.



AC Hour meter

Input voltage: 85-265 VAC
Battery life up to: 10 years
IP class: IP67

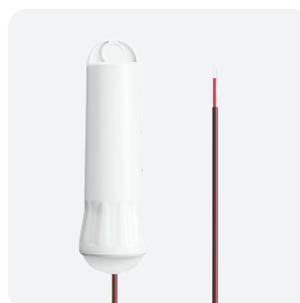
Other sensor

For liquid and solid surface measurements, such as monitoring grain levels in silos or liquid levels in containers.



Ultrasonic Distance sensor

Measurement range: 0.3 to 5 m or 0.5 to 10 m
Battery life up to: 7 years
IP class: IP67



PT100 / PT1000 transmitter

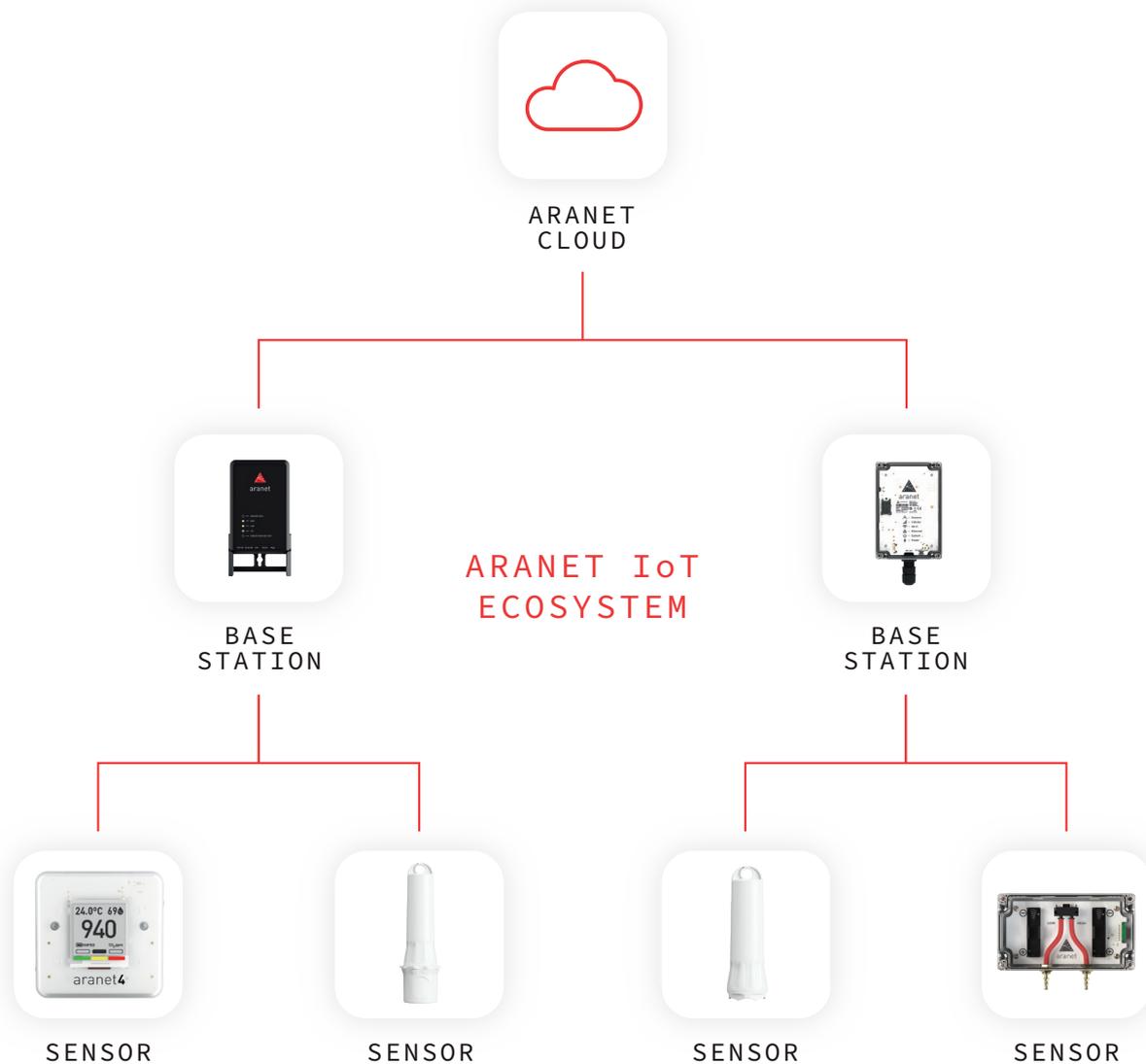
Available with more than 20 different custom probes
Temperature: -200 °C to 600 °C
-328 °F to 1112 °F
Battery life up to: 12 years
IP class: IP68

Getting Started with Aranet



aranet
Measure. Know. Act.

Ready to enhance your business with Aranet's monitoring solution? Contact us to discuss your needs and discover how Aranet can support your commitment to data-driven decision-making.



Sensors

A variety of wireless sensors that monitor conditions indoors and outdoors

Base stations

One or multiple base stations that gather and store data from sensors

Cloud

A cloud service to access, view, and analyze all your data in one place

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Änderungen vorbehalten