Smarter business

Product overview

aranet

24.0°C 69%
940
OOFBD   CO₂ ppm
aranet4

- **Indoor and outdoor** monitoring solutions
- **Up to 10-year** sensor battery life
- **Wireless monitoring** for ultimate flexibility
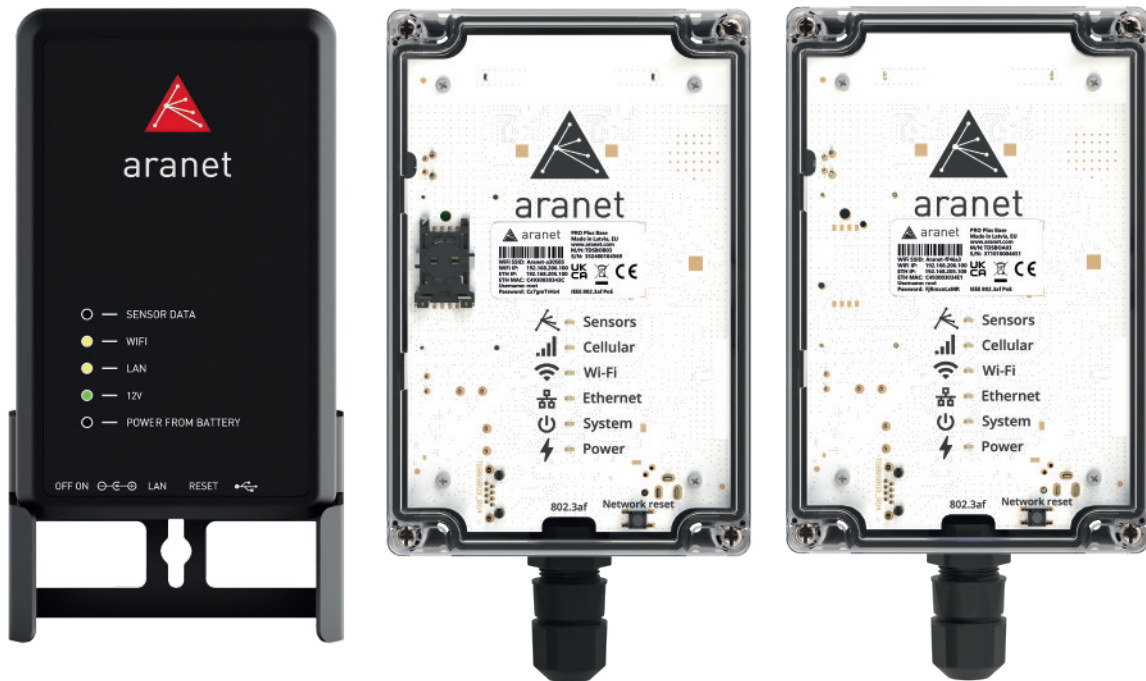- **Line-of-sight range** up to 3 km / 1.9 miles
- **Aranet Cloud** service
- **Up to 100 sensors** per base station

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 monitor indoor air quality and ensure an optimal living and working environment. The CO_2 sensor measures the concentration of carbon dioxide gas and provides precise measurements with the NDIR sensor. Particulate Matter sensor measures PM1.0, PM2.5, PM10.

Mobile app available

Aranet4
HOME / PRO

CO_2: 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

Mobile app available

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

PM sensor

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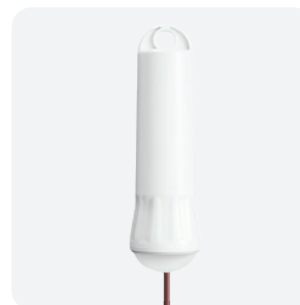External power supply
IP class: IP42

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
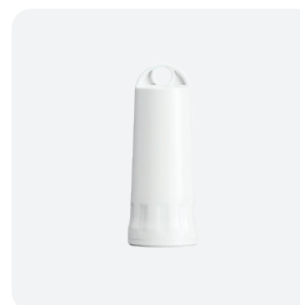**Battery life up to:** 10 years
IP class: IP68

PT100 sensor

Available with more than
20 different custom probes
Temperature:
-50 °C to 180 °C
-58 °F to 356 °F
Battery life up to: 12 years
IP class: IP68

PT100 / PT1000
transmitter

Temperature:
-200 °C to 800 °C
-328 °F to 1472 °F
Battery life up to: 12 years
IP class: IP68

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
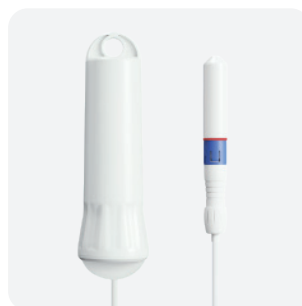**IP class:** IP67

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 (NH$_3$ 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.

CO$_2$ and Temperature sensor

CO$_2$: 0-9999 ppm
Temperature:
0 °C to 50 °C
32 °F to 122 °F
Battery life up to: 8 years
IP class: IP67

NH$_3$ sensor kit

NH$_3$: 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
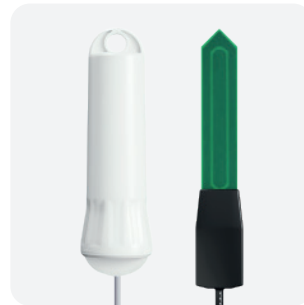**Relative humidity:** 0 % to 100 %
Battery life up to: 10 years
IP class: IP65

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 ± 0.02%)
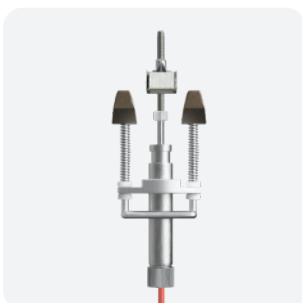**Battery life up to:** 10 years
IP class: IP67

PAR sensor

Photosynthetic PhotonFlux Density (PPFD)
Battery life up to: 9 years
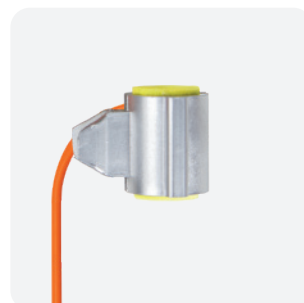**IP class:** IP68

Aranet Drainage sensor

Drain water flow monitoring.
Accuracy: ± 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 diamater:
1 to 5 mm or 4 to 10 mm
Power source:
External power supply
IP class (transmitter): IP67

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

Distance sensor

Works with all kinds of liquid or solid surfaces, for a broad range of practical applications, such as measuring the grain level in a silo, or the level of a liquid in a container.

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

Energy meter

Designed for the precise measurement of electricity usage and frequency of use

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.
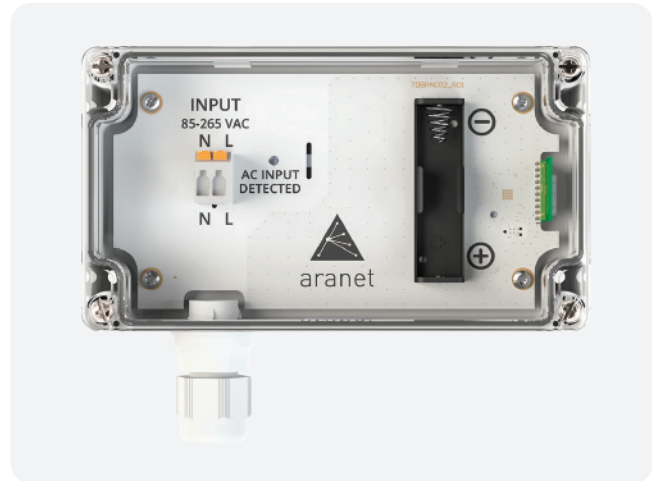**Battery life up to:** 9 years
IP class: IP68

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

AC Hour meter

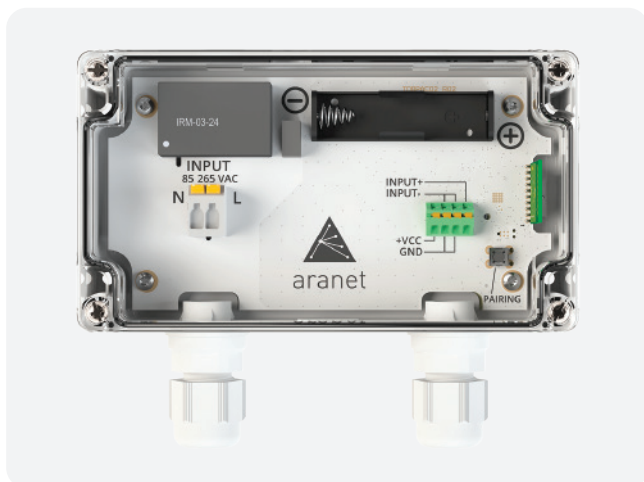Accurately measures operational time for any device connected to the power grid.

AC Hour meter

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

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.
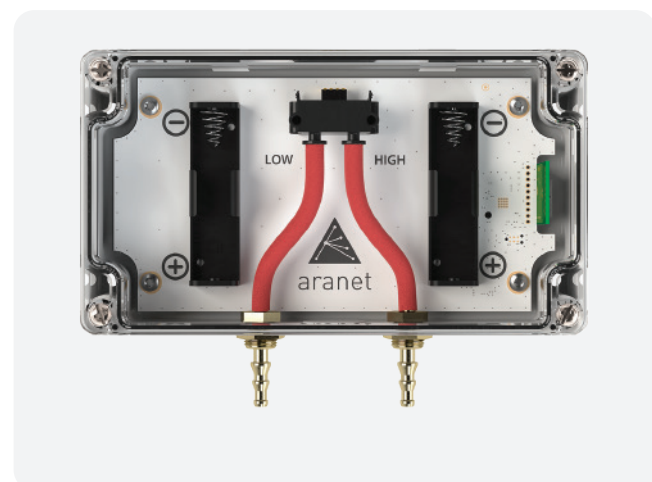
0-10 V transmitter

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
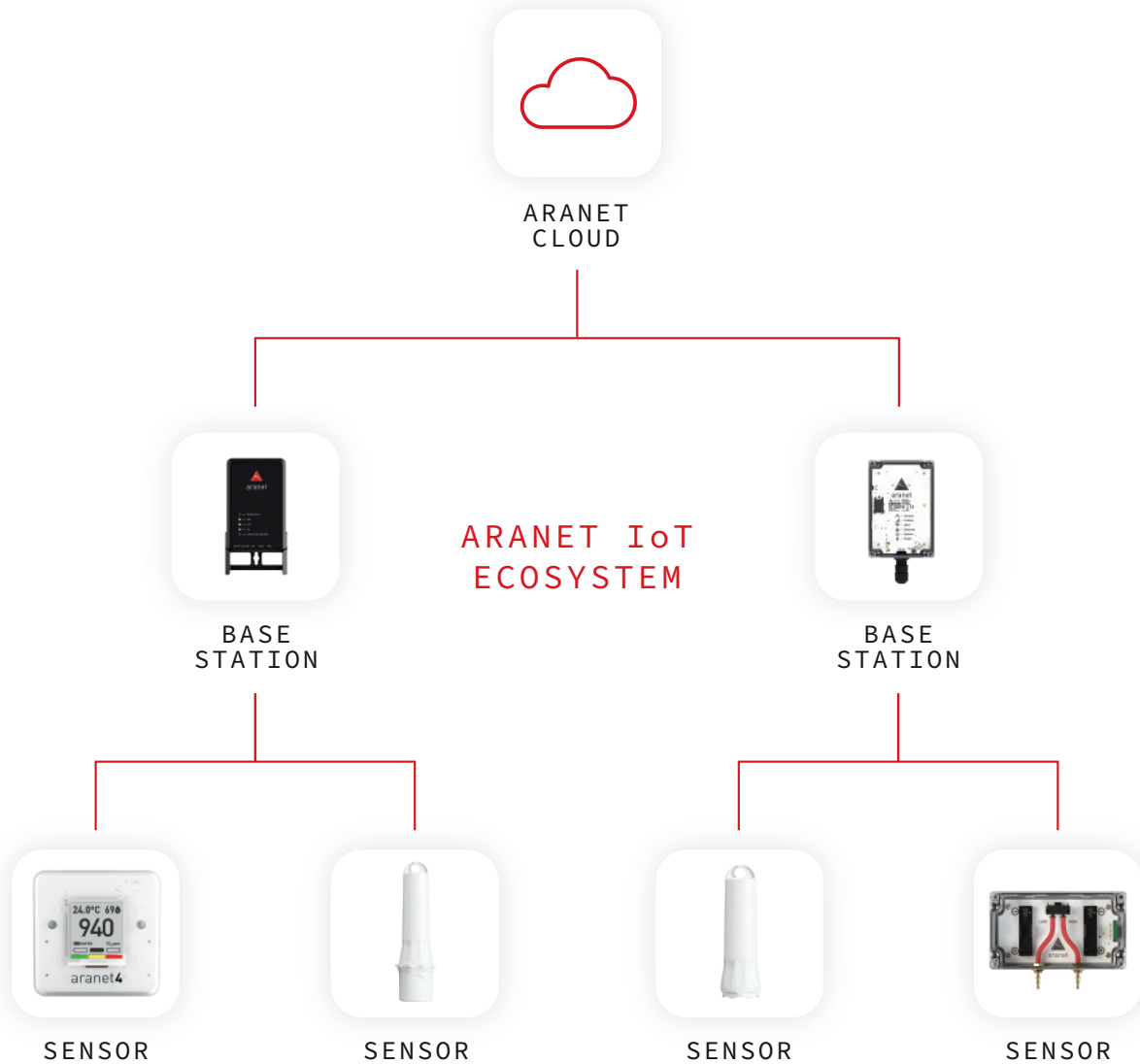**IP class:** IP67

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

Smarter
than others

aranet

ARANET
CLOUD

ARANET IoT
ECOSYSTEM

BASE
STATION

BASE
STATION

SENSOR

SENSOR

SENSOR

SENSOR

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