Product Overview

1. Wireless monitoring for ultimate flexibility
2. Line of sight range up to 3 km / 1.9 miles
3. Up to 10 year sensor battery life
4. 100 sensors per base station
5. Aranet Cloud service

aranet

SENSOR DATA
WIFI
LAN
12V
POWER FROM BATTERY

OFF ON   LAN   RESET

24.0°C 53%
683
PRO A CO₂ ppm
aranet4

ARANET — MAKING SENSORS WIRELESS

ARANET OFFERS WIDE RANGE OF SENSORS:

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.

	Measurement range	Battery**	IP class
T-probe sensor	-55 °C to 105 °C -67 °F to +221 °F	10 years	IP68
T Compact sensor	-40 °C to 60 °C -40 °F to 140 °F	7 years	IP68
PT100 / PT1000 transmitter	-200 °C to 800 °C -328 °F to 1472 °F	10 years	IP68
PT100 sensor*	-50 °C to 180 °C -58 °F to 356 °F	10 years	IP68

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 humid locations.

	Measurement range	Battery**	IP class
T/RH sensor	temperature: -40 °C to 60 °C	10 years	IP42
T/RH IP67 sensor	-40 °F to 140 °F, relative humidity: 0% to 100%	10 years	IP67

T/RH PROBES provide very accurate temperature and relative humidity measurements. Perfectly suitable also for harsh environments.

	Measurement range	Battery**	IP class
T/RH probe	temperature: -40°C to 85°C -40°F to 185°F, relative humidity: 0-100%	10 years	IP67
T/RH probe (ammonia resistant)	temperature: -40°C to 85°C -40°F to 185°F, relative humidity: 0-100%	10 years	IP67

HORTICULTURE SENSORS are specifically designed for use in the greenhouse sector. The sensors measure a variety of parameters that help optimize yield predictions and save on energy, water and fertilizers.
Plant temperature is a critical parameter for determining Vapour Pressure Deficit (VPD).

	Measures	Battery**	IP class
Weight sensor	0-50 kg / 0-100 kg	7 years	IP67
Soil moisture, EC and T sensor	soil and substrate moisture, electric conductivity, temperature	7 years	IP68
Stem micro-variations sensor	micro-variations of stem diameter (0 to 5 mm)	7 years	IP64
Soil moisture sensor	soil volumetric water content	10 years	IP67
T/RH sensor with Convection Shield	temperature: -40 °C to 60 °C -40 °F to 140 °F, relative humidity: 0% to 100%	10 years	IP68
PAR sensor	PPFD (Photosynthetic PhotonFlux Density)	7 years	IP68
IR plant temperature sensor	15 °C to 45 °C 59 °F to 113 °F	10 years	IP65

AMBIENT LIGHT SENSORS are wireless and battery-powered, made to easily monitor whether your building is sufficiently lit, as well as to see if you're not wasting energy on excess lighting.

	Measurement range	Battery**	IP class
LUX sensor	0 – 200 000 lux	7 years	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.

	Measurement range	Battery**	IP class
Ultrasonic Distance sensor	0.3 to 5 m or 0.5 to 10 m	7 years	IP67

CURRENT AND VOLTAGE SENSORS are attery-powered and energy-efficient solutions designed to integrate with any 3rd party sensor that uses V/mA as an output. This solution allows the Aranet system to be opened up to virtually any parameter monitoring so that you can have all of your required sensors in a single system.

	Measurement range	Battery**	IP class
Voltage sensor	voltage (-32 to +32 VDC)	7 years	IP68
4-20 mA sensor	current (0-30 mA)	7 years	IP68

PULSE COUNTER SENSOR measures dry contact pulse. The perfect solution for electricity meters and water flow monitoring.

	Measurement range	Battery**	IP class
Pulse counter	Measures dry contact pulses	10 years	IP65

GAS SENSORS are designed for leak detection, workplace safety and personal safety. Aranet sensors are wireless, battery-powered and suitable for the most challenging environments.

CO₂ SENSORS have a built-in infrared CO₂ sensor that actually measures the real CO₂ gas content, and provides high precision measurements. Does not extrapolate the CO₂ value from other gases.

	Measures	Battery**	IP class
CO sensor	CO: 0-9999 ppm	5 years	IP67
CO₂ and Temperature sensor	CO₂: 0-9999 ppm	8 years	IP67
NO₂ sensor	NO₂: 0-30 ppm	5 years	IP67
O₂ sensor	O₂: 0-25%	5 years	IP67
NH₃ sensor kit	NH₃: 0-100 ppm	7 years	IP65

DIFFERENTIAL PRESSURE SENSOR is used for measuring the difference in air pressure between two points for applications in HVAC, building automation, clean rooms and more.

	Measures	Battery**	IP class
Aranet4 HOME Aranet4 PRO Comes with Android & iOS app	CO₂: 0-9999 ppm, temperature: -10 °C to 60 °C 14 °F to 140 °F, relative humidity: 0% to 85% atmospheric pressure: 0.3 to 1.1 atm (4.4 to 16.0 psi)	4 years	IP20

	Measures	Battery**	IP class
Differential Pressure sensor	Pressure range ± 500 Pa Accuracy 0.10 Pa + 3 % of reading	10 years	IP65

ARANET AC HOUR METER accurately measures operational time for any device connected to the power grid

	Measures	Battery**	IP class
AC Hour meter	Input voltage 85-265 VAC	10 years	IP67

* Available with more than 20 different custom probes.   ** Battery life up to…

ARANET PRO BASE STATION is an industrial grade wireless environmental monitoring solution. It has an internal memory and a built in webserver with free software for easy viewing, analysing and comparing data in real time as well as for setting thresholds for alarms and exporting reports. Base station gathers readings from wireless sensors within the range of **up to 3 km/1.9 mi.**

up to 10 m 33 ft

1 m 3.2 ft

0.2 m 0.65 ft

2 m 10 ft

1 m 3.2 ft

RSSI sensor

Radio Site Survey Ping-Pong Kit

5 m 16.4 ft

Solar radiation protected

SIGNAL STRENGTH SENSORS – Aranet solutions for signal testing will allow you to find the best location for potential sensor placement with just a push of a button to immediately see the signal strength.

Aranet.com