Product overview

aranet

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

Aranet offers a 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	-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

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.

	Measurement range	Battery**	IP class
T/RH IP42 sensor	temperature: -40 °C to 60 °C -40 °F to 140 °F, relative humidity: 0 % to 100 %	10 years	IP42
T/RH IP67 sensor		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 (NH3 resistant)	temperature: -40 °C to 85 °C -40 °F to 185 °F, relative humidity: 0-100 %	10 years	IP67

Indoor air quality sensors

are designed to monitor indoor air quality and ensure an optimal living and working environment. The CO_2 sensor measures the real CO_2 gas content and provides precise measurements with the NDIR sensor. PM sensor measures PM1.0, PM2.5, PM10.

	Measurement range	Battery**	IP class
CO_2 sensors Aranet4 HOME / PRO Comes with Android & iOS app	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.	4 years	IP20
PM sensor	0 – 1000 µg/m3	Power supply	IP42

Horticulture sensors

are specifically designed for 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
IR Plant Temperature sensor	15 °C to 45 °C 59 °F to 113 °F	10 years	IP65
T/RH sensor with Radiation 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

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

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.

	Measures	Battery**	IP class
NH_3 sensor kit	NH^3: 0-100 ppm	7 years	IP65
CO_2 and Temperature sensor	0-9999 ppm 0 °C to 50 °C 32 °F to 122 °F	8 years	IP67

Current and voltage sensors

are battery-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
0-10 V transmitter	Voltage: 0-10 V	7 years	IP68
4-20 mA transmitter	Current: 4-20 mA	7 years	IP68

Dry Contact meters

	Measurement range	Battery**	IP class
Dry Contact Pulse counter	Detects dry contact pulses. Perfect for electricity meters and water flow monitoring.	10 years	IP67
Dry Contact Hour meter	Detects the time the contact is either opened or closed between two wired contact points.	9 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

Differential Pressure sensor

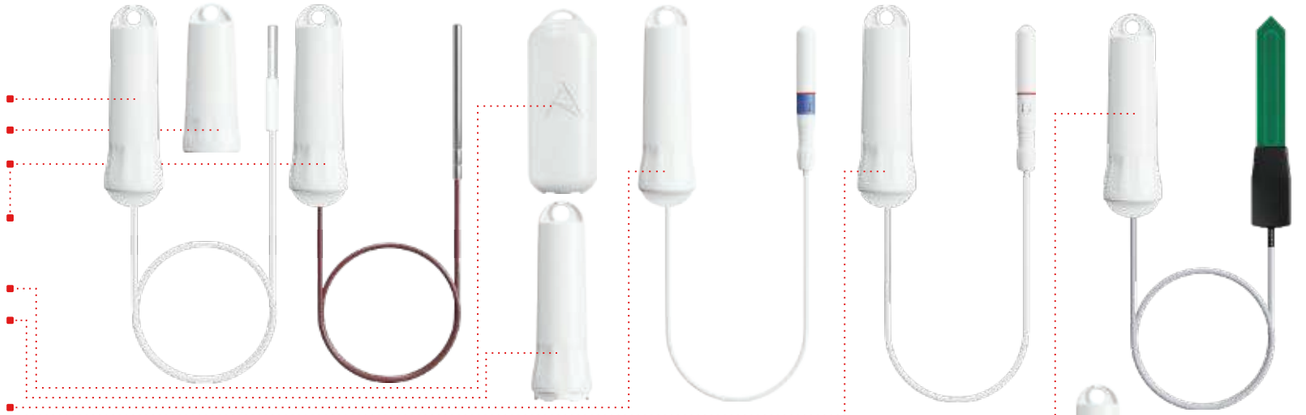
is used for measuring the difference in air pressure between two points for applications in HVAC, building automation, clean rooms, and more.

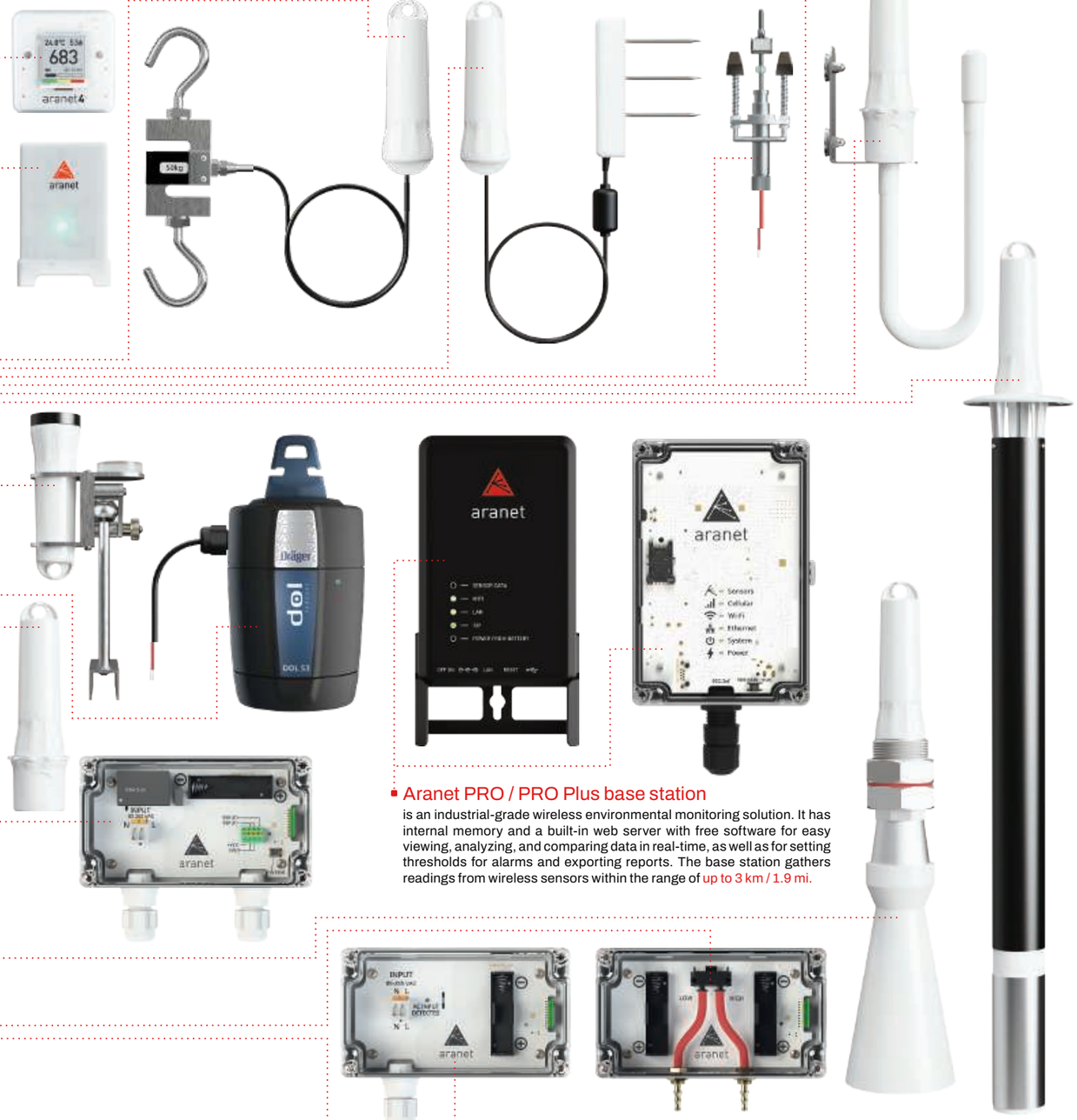
	Measures	Battery**	IP class
Differential Pressure sensor	Pressure range ± 500 Pa Accuracy 0.10 Pa + 3 % of reading	10 years	IP65

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





Aranet PRO / PRO Plus base station

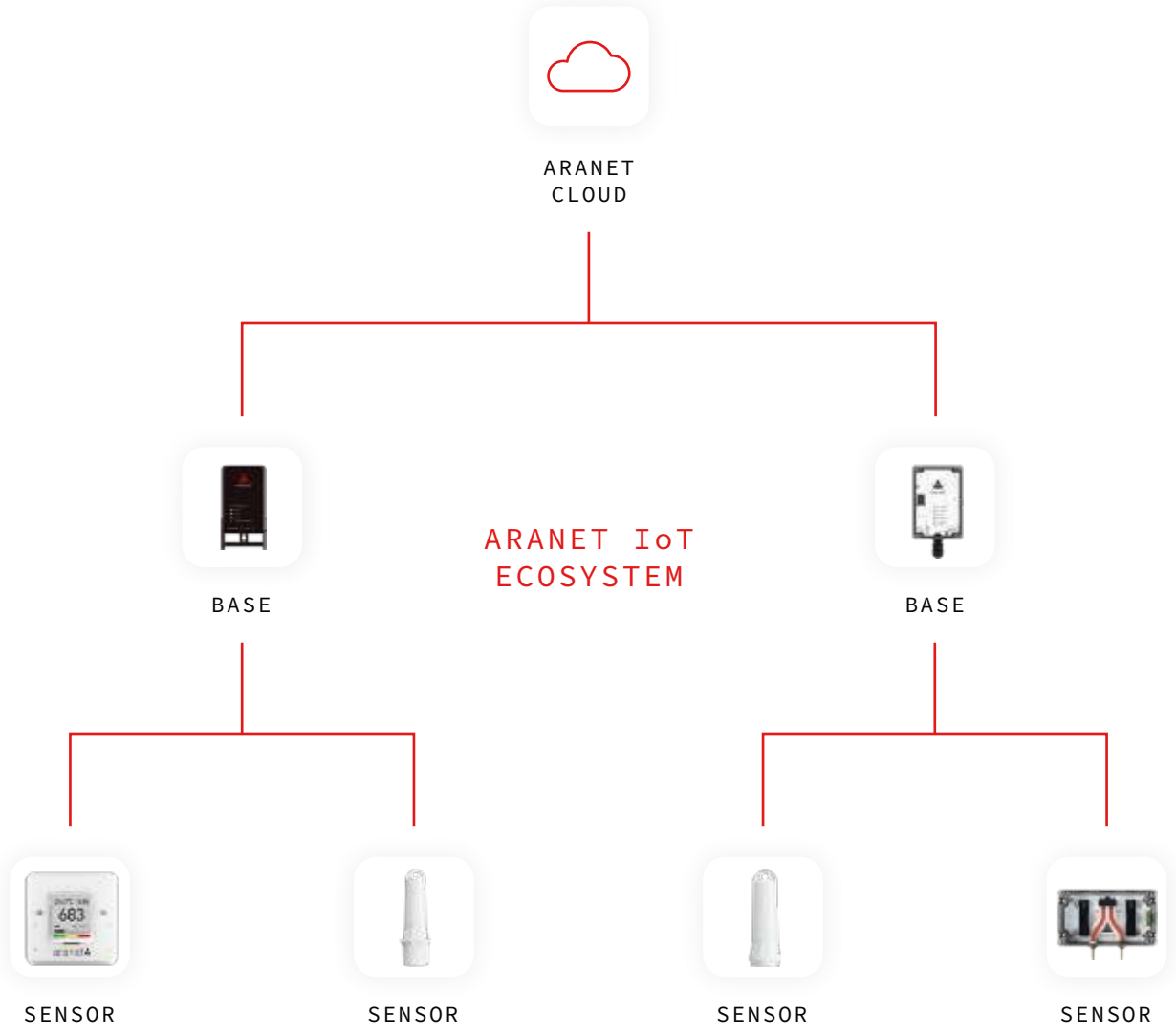
is an industrial-grade wireless environmental monitoring solution. It has internal memory and a built-in web server with free software for easy viewing, analyzing, and comparing data in real-time, as well as for setting thresholds for alarms and exporting reports. The base station gathers readings from wireless sensors within the range of up to 3 km / 1.9 mi.

* AVAILABLE WITH MORE THAN 20 DIFFERENT CUSTOM PROBES.

** BATTERY LIFE UP TO...

Smarter than others

aranet



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