

PRODUCT OVERVIEW

making sensors wireless



aranet



- 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 built-in web software

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.

Wireless 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.

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.

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.

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.

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.

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.

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
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
PT100 EXT sensor	-190°C to 260°C -310°F to 500°F	10 years	IP68

	Measurement range	Battery*	IP class
T/RH sensor	temperature: -40°C to 60°C -40°F to 140°F	10 years	IP42
T/RH IP68 sensor	relative humidity: 0% to 100%	10 years	IP68

	Measures	Battery*	IP class
CO₂ sensor	CO ₂ : 0-9999 ppm	7 years	IP40
Aranet4 comes with Android & iOS app	CO ₂ : 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)	2 years	IP20

	Measures	Battery*	IP class
CO sensor	CO: 0-1000 ppm	5 years	IP67
CO₂ sensor	CO ₂ : 0-9999 ppm	5 years	IP67
NH₃ sensor	NH ₃ : 0-300 ppm	5 years	IP67
NO₂ sensor	NO ₂ : 0-30 ppm	5 years	IP67
O₂ sensor	O ₂ : 0-25%	5 years	IP67

	Measurement range	Battery*	IP class
LUX sensor	0 - 200 000 lux	7 years	IP68

	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

	Measures	Battery*	IP class
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 Photon Flux Density)	7 years	IP68
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
Soil VWC sensor	soil volumetric water content	10 years	IP67
Stem micro-variations sensor	micro-variations of stem diameter (0 to 5 mm)	7 years	IP64

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

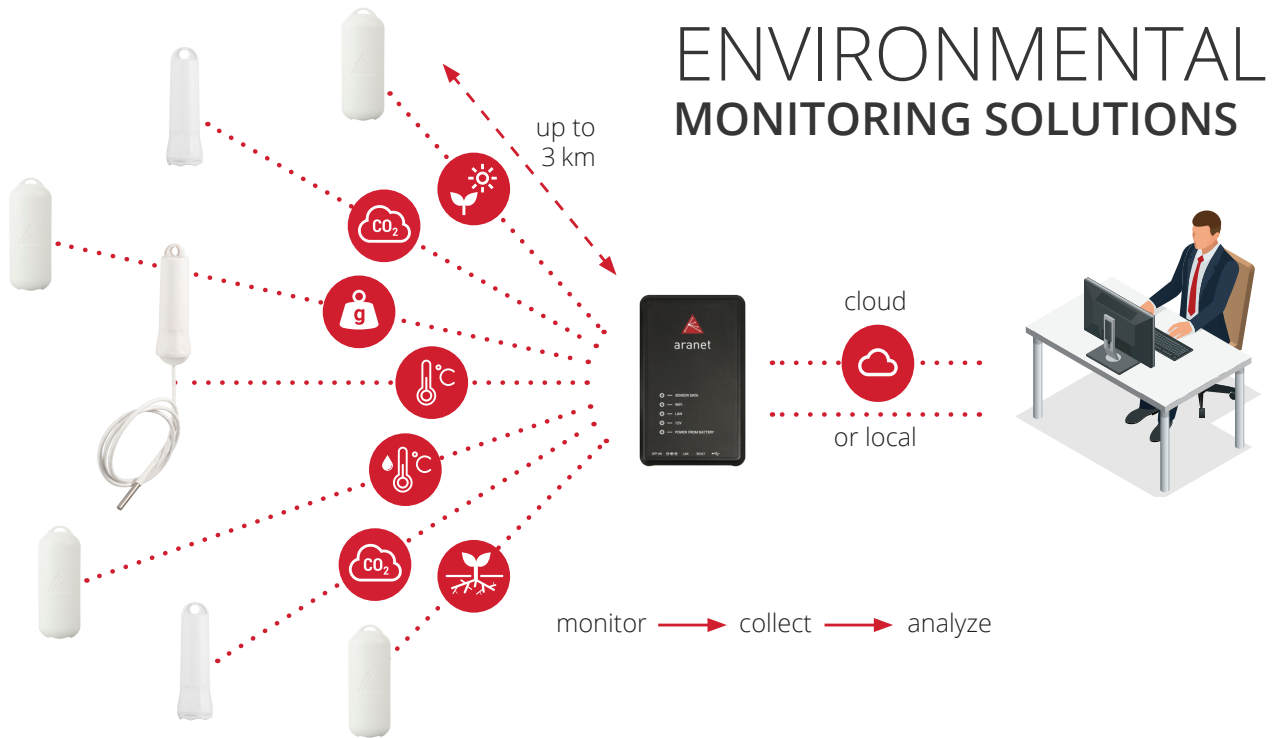
BASE STATION GATHERS READINGS FROM WIRELESS SENSORS WITHIN THE RANGE OF UP TO 3 KM/1.9 MI



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The specifications or information contained in this document are subject to change without notice due to continuing introduction of design improvements. If there is any conflict between this document and compliance statements, the latter will supersede this document.

* Battery life up to...



ARANET CLOUD ENTERPRISE SOLUTIONS

- 1 24/7 access to the data
- 2 multiple base stations in one network
- 3 API integrations
- 4 configure all assets in one place



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