

PRODUCT OVERVIEW

take wireless monitoring to the next level



aranel



- 1 wireless monitoring for ultimate flexibility
- 2 line of sight range up to 3km / 1.9miles
- 3 up to 10 year sensor battery life
- 4 100 sensors per base station

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, bio-engineering.

	Measurement range	Battery life up to	Protection class	Probe type	Probe length*
T-probe sensor	-55°C to 105 °C -67°F to +221°F	10 years	IP68		0.3 / 1 / 5 / 10 m 0.9 / 3.2 / 16.4 / 32.8 ft
PT100 / PT100 transmitter	-200°C to 800°C -328°F to 1472°F	10 years	IP68	Any class PT100/ PT1000	
PT100 sensor	-50°C to 180°C -58°F to 356°F	10 years	IP68	Class A PT100	1 m 3.2 ft
PT100 EXT sensor	-190°C to 260°C -310°F to 500°F	10 years	IP68	Class A PT100	1 m 3.2 ft

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.

	Measurement range	Battery life up to	Protection 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

CO₂ sensors have a built-in infrared CO₂ sensor that measures carbon dioxide with exceptionally high precision by excluding other organic gas compounds.

	Measures	Battery life up to	Protection class	Notes
CO₂ sensor with manual calibration	CO ₂ : 0 ppm – 9999 ppm	2 years	IP40	automatic or manual calibration (at 400ppm)
Aranet4	CO ₂ : 0-9999 ppm temperature: -10°C to 60°C 14°F to 140°F relative humidity: 0% to 100% atmospheric pressure: 300-1100 hPa	2 years	IP20	Android & IOS app

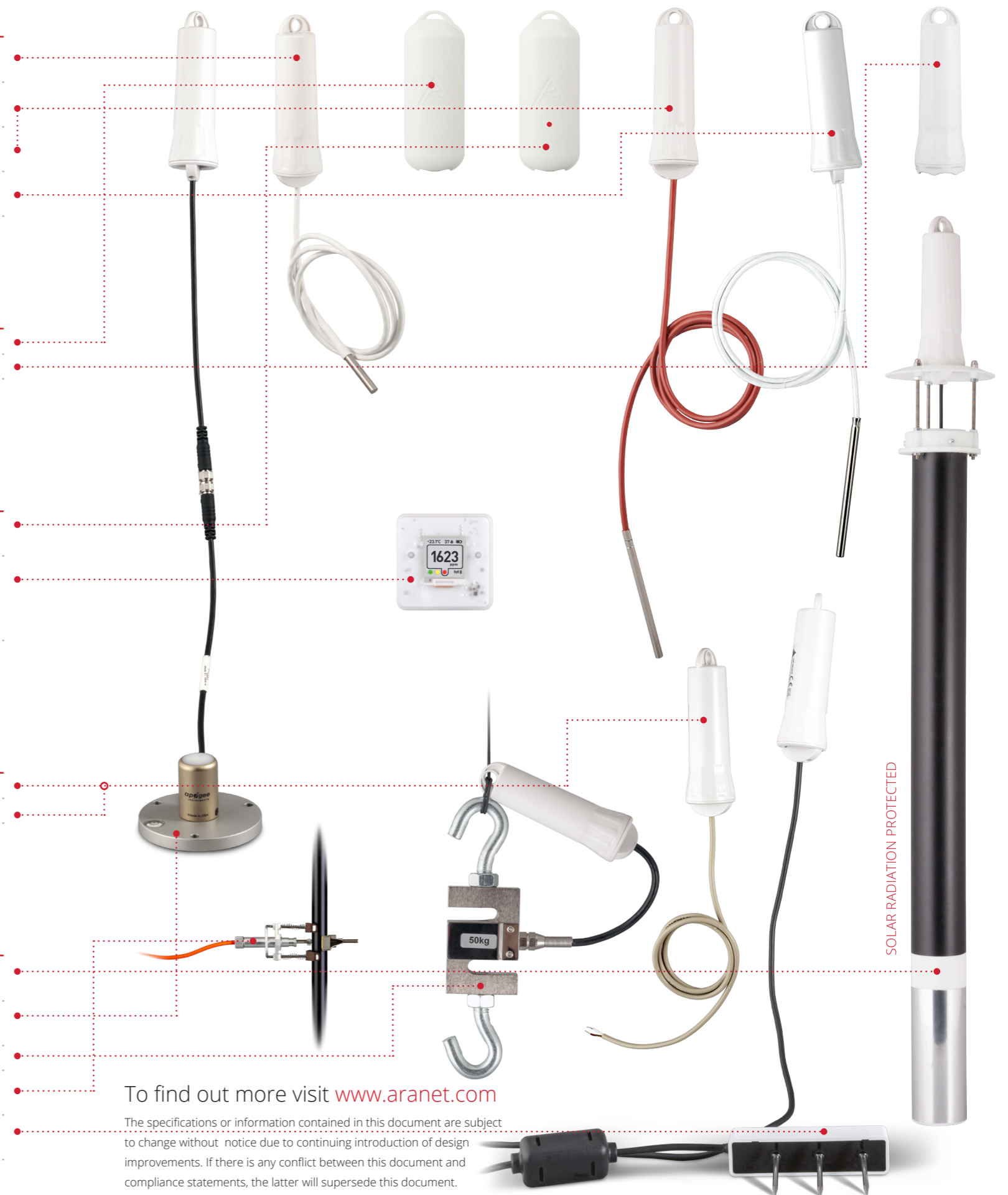
Current and voltage sensors are battery-powered and energy-efficient solutions designed to integrate with any 3rd party sensor that uses V/mA as an output. The use cases include monitoring of pH, liquid level, pressure, magnetic flow, velocity, acceleration and industrial vibration.

	Measurement range	Battery life up to	Protection class
Voltage sensor	DC voltage (-32 to +32 VDC)	10 years	IP68
4-20mA sensor	current (0-30mA)	10 years	IP68

Horticulture sensors are specifically designed for use in the greenhouse sector. The sensors measure a variety of parameters that help increase yield and save on energy, water and fertilizers.

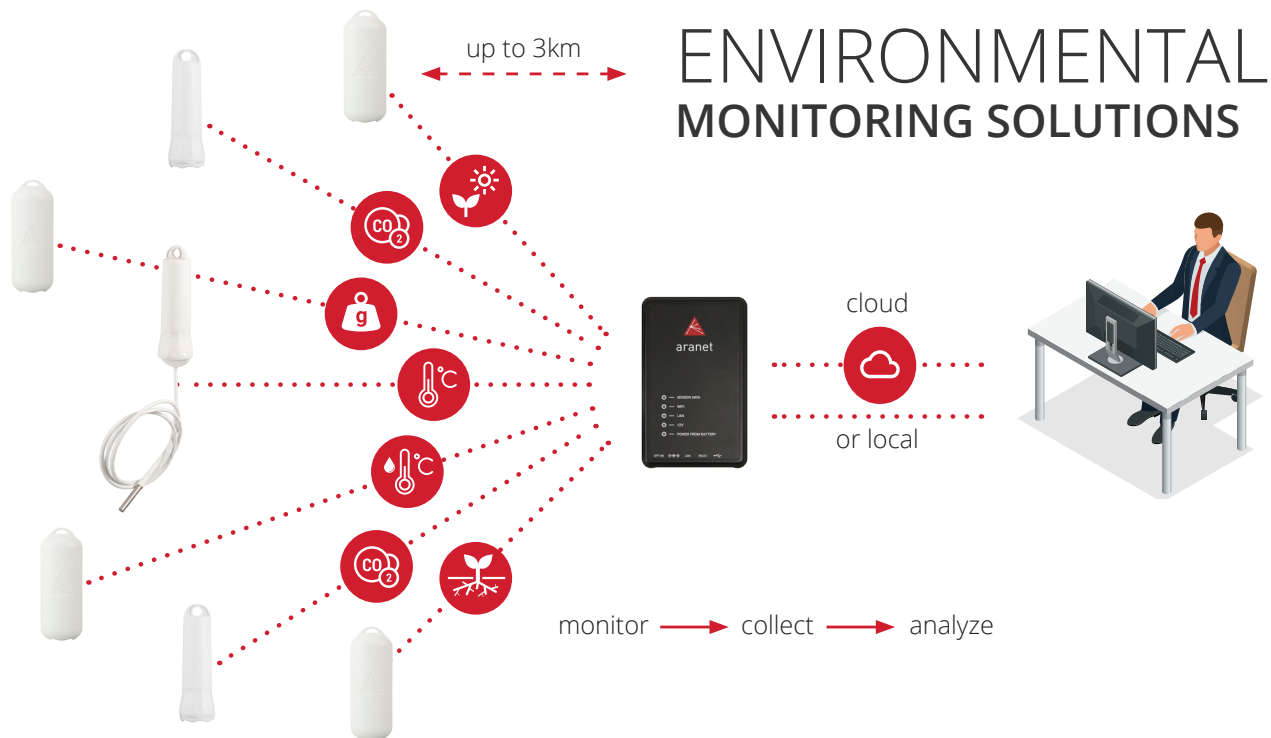
	Measures	Battery life up to	Protection class	Cable length
T/RH sensor with Convection Shield	temperature: -40°C to 60°C -40°F to 140 °F relative humidity: 0% to 100%	10 years	IP68	
PAR sensor with Apogee quantum meter	Photosynthetically Active Radiation (PAR)	10 years	IP68	0.2 m 0.65 ft
Weight sensor	0-50 kg / 0-100 kg	10 years	IP67	3 m 9.8 ft
Stem micro-variations sensor	micro-variations of stem diameter (0 to 5mm)	10 years	IP68	0.2 m 0.65 ft
Soil moisture, EC and T sensor	soil and substrate moisture, electric conductivity, temperature	10 years	IP68	5 m 16.4 ft

*Other available on request



To find out more visit www.aranet.com

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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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