

# 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
- 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.

	Measurement range	Battery life up to	IP class
<b>T-probe sensor</b>	-55°C to 105 °C <b>-67°F to +221°F</b>	10 years	IP68
<b>T Compact sensor</b>	-40°C to 60°C <b>-40°F to 140 °F</b>	7 years	IP68
<b>PT100 / PT1000 transmitter</b>	-200°C to 800°C <b>-328°F to 1472°F</b>	10 years	IP68
<b>PT100 sensor</b>	-50°C to 180°C <b>-58°F to 356°F</b>	10 years	IP68
<b>PT100 EXT sensor</b>	-190°C to 260°C <b>-310°F to 500°F</b>	10 years	IP68

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

**CO<sub>2</sub> sensors** have a built-in infrared CO<sub>2</sub> sensor that actually measures the real CO<sub>2</sub> gas content, and provides high precision measurements. Does not extrapolate the CO<sub>2</sub> value from other gases.

	Measures	Battery life up to	IP class
<b>CO<sub>2</sub> sensor</b>	CO <sub>2</sub> : 0-9999 ppm	7 years	IP40
<b>Aranet4 comes with Android &amp; iOS app</b>	CO <sub>2</sub> : 0-9999 ppm temperature: -10°C to 60°C <b>14°F to 140°F</b> relative humidity: 0% to 100% atmospheric pressure: 300-1100 hPa	2 years	IP20

**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 life up to	IP class
<b>LUX sensor</b>	0 - 200 000 lux	7 years	IP68

**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 life up to	IP class
<b>Voltage sensor</b>	DC voltage (-32 to +32 VDC)	7 years	IP68
<b>4-20mA sensor</b>	current (0-30mA)	7 years	IP68

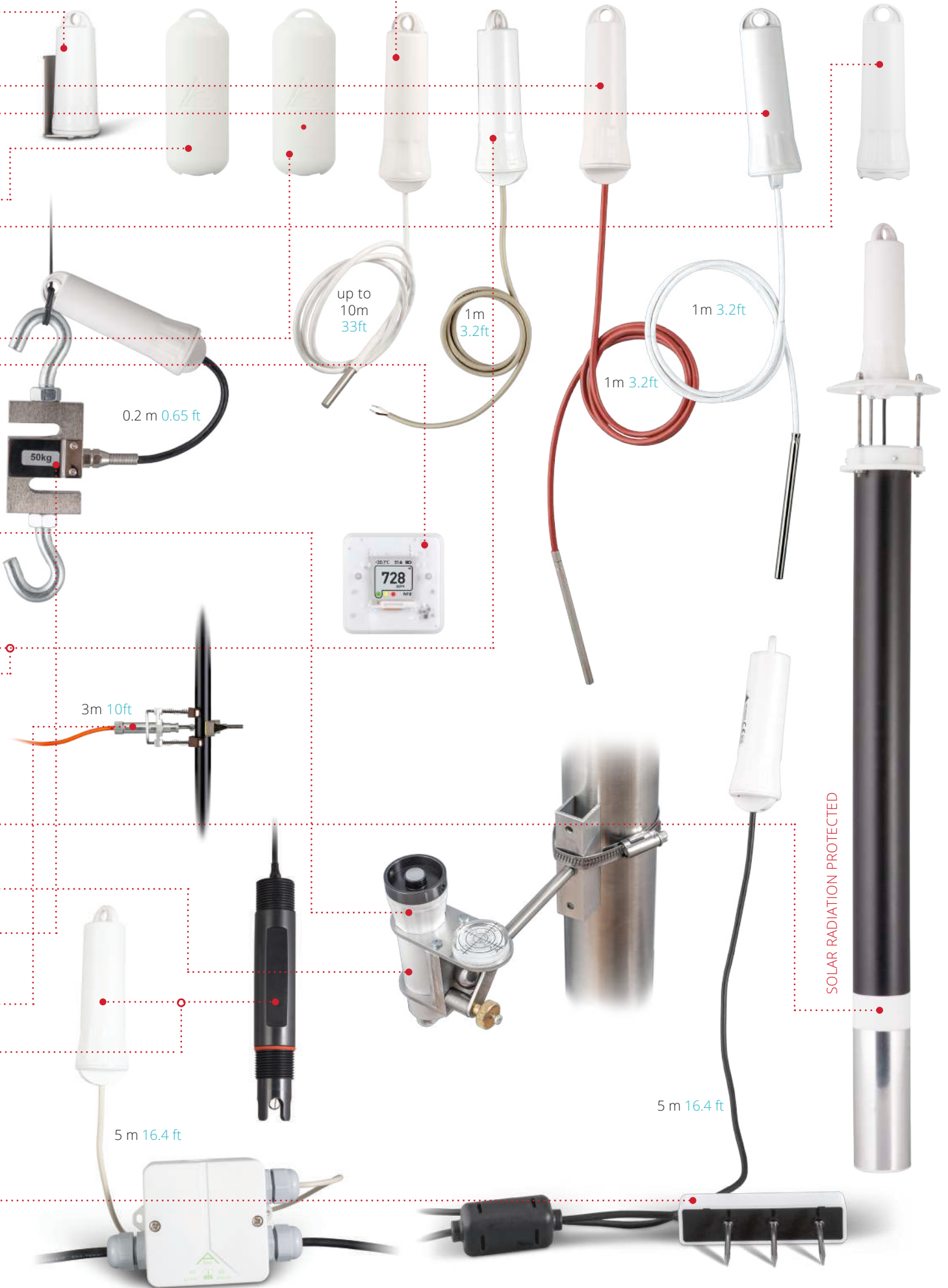
**Horticulture sensors** are specifically designed for use in the greenhouse sector. The sensors measure a variety of parameters that help optimize yield predictions and save on energy, water and fertilizers.

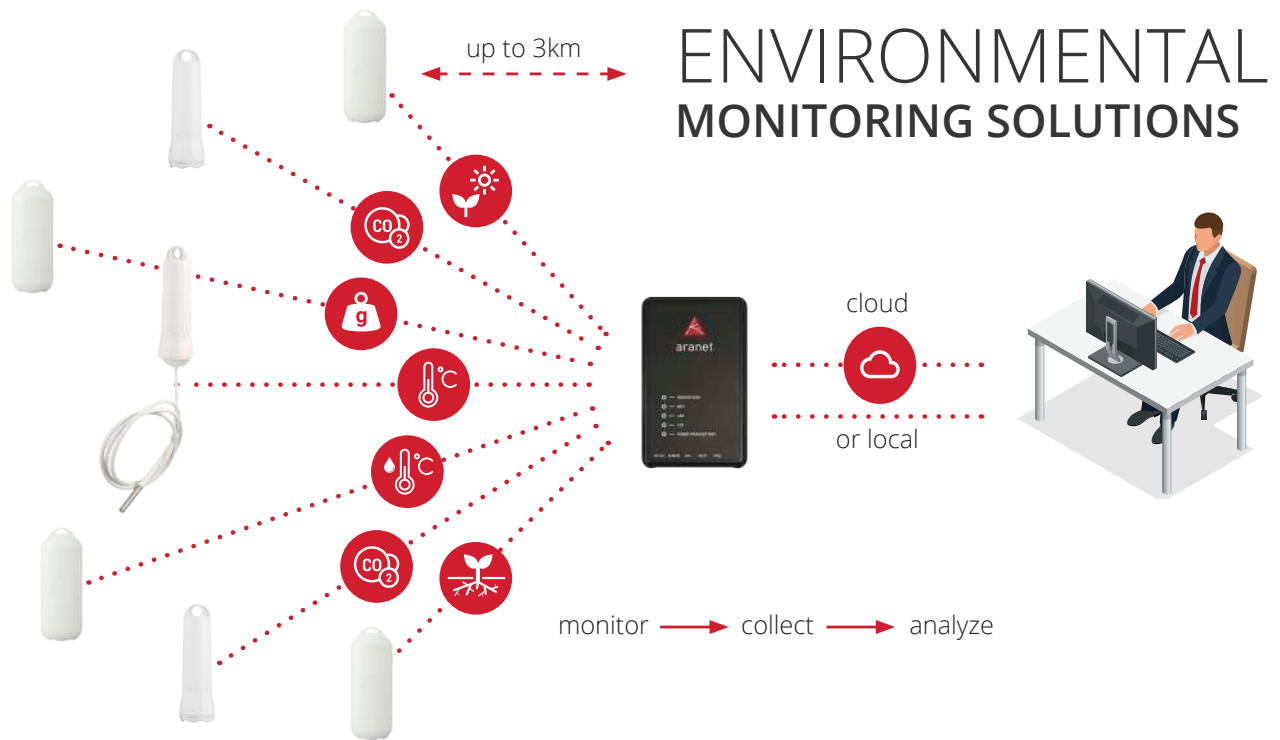
	Measures	Battery life up to	IP class
<b>T/RH sensor with Convection Shield</b>	temperature: -40°C to 60°C <b>-40°F to 140 °F</b> relative humidity: 0% to 100%	10 years	IP68
<b>PAR sensor</b>	PPFD (Photosynthetic Photon Flux Density)	7 years	IP68
<b>Weight sensor</b>	0-50 kg / 0-100 kg	7 years	IP67
<b>Soil moisture, EC and T sensor</b>	soil and substrate moisture, electric conductivity, temperature	7 years	IP68
<b>Stem micro-variations sensor</b>	micro-variations of stem diameter (0 to 5mm)	7 years	IP64
<b>PH sensor</b>	pH level in soil (0 to 14 pH)	7 years	IP67

To find out more visit [www.aranet.com](http://www.aranet.com)

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.

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





## 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



[www.aranet.com](http://www.aranet.com)