Building Management

aranet

Aranet Cloud

1- 100 SENSORS PER BASE STATION

CO_2

ADVANCED ANALYTICS SOFTWARE INCLUDED

3 KM LINE-OF-SIGHT RANGE

°C °F

CO_2

24.0°C 53%
683
aranet4

%

UP TO 10 YEAR SENSOR BATTERY LIFE

°C °F

%

ARANET OFFERS WIDE RANGE OF SENSORS:

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.**

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	-67 °F to +221 °F	10 years	IP68
T Compact sensor	-40 °F to 140 °F	7 years	IP68
PT100 / PT1000 transmitter	-328 °F to 1472 °F	10 years	IP68
PT100 sensor*	-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 °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 °F to 185 °F, relative humidity: 0-100 %	10 years	IP67

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

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

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

	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

DRY CONTACT METERS

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
CO_2 and Temperature sensor	CO_2: 0-9999 ppm	8 years	IP67

CO_2 SENSORS have a built-in infrared CO_2 sensor that actually measures the real CO_2 gas content, and provides high precision measurements. Does not extrapolate the CO_2 value from other gases.

	Measures	Battery*	IP class
Aranet4 HOME Aranet4 PRO Comes with Android & iOS app	CO_2: 0-9999 ppm, temperature: 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

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.

Radio Site Survey Ping-Pong Kit

RSSI sensor

* Battery life up to...

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.

up to 10 m 33 ft

1 m 3.2 ft

aranet

Differential pressure sensor

LOW   HIGH

aranet

SENSOR DATA
WIFI
LAN
12V
POWER FROM BATTERY

OFF ON   LAN   RESET

22.2°C 47
1259
00FBD CO_2 ppm

aranet4

E-ink Screen and Real Time Results

Wireless

Precise Measurements

Almost 4 Year Battery Life

Free Mobile App

Aranet4 uses the most precise Nondispersive infrared (NDIR) sensor technology for accurate CO_2 measurements. It has a super-efficient e-ink display that extends it's battery life up to 4 years (2xAA).

Aranet4 shows CO_2 measurements directly on its e-ink screen with a corresponding color indicator and configurable sound alarms.
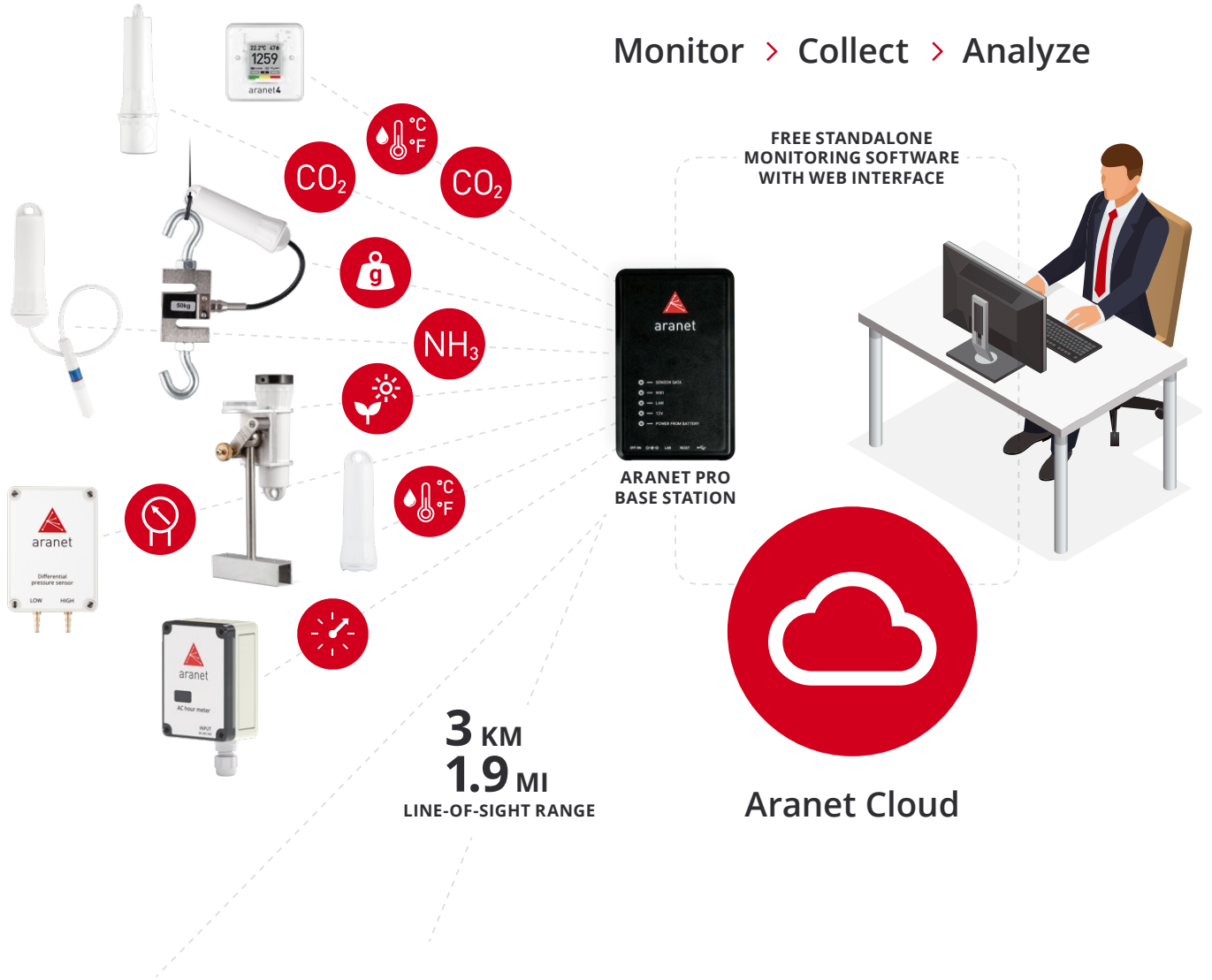
Aranet4.com

ARANET WIRELESS ENVIRONMENTAL MONITORING SOLUTIONS

Monitor > Collect > Analyze

FREE STANDALONE
MONITORING SOFTWARE
WITH WEB INTERFACE

CO_2

°C
°F

CO_2

g

NH_3

°C
°F

aranet

Differential
pressure sensor

LOW   HIGH

aranet

AC hour meter

INPUT

**ARANET PRO
BASE STATION**

3 KM
1.9 MI
LINE-OF-SIGHT RANGE

Aranet Cloud

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.

For more detailed information about Aranet products, please visit **aranet.com**, contact your Aranet representative or write to **info@aranet.com**. Product specifications are subject to change without prior notice.