



# Wireless sensor network

Build your own wireless sensor network with a combination of sensors of your choice. All sensors are pre-configured and ready to use, including the specially designed [Connect](#).

You can easily install it yourself. Place the sensors in your greenhouse and start collecting data immediately through the platform on your PC or smartphone.

There are various [mounting options](#) available for the Connect and the sensors.

## 1. Network



### Gateway

€ 799

Central access point for network connections. Supports up to 4000 sensors.



### Repeater

€ 369

This signal amplifier enhances and expands the network for optimal connectivity of the sensors to the Gateway.



### Connect

Connect is included for each 30MHz sensor

The Connect sends measurements from the connected sensor to the platform.

- Connect casing (LxWxH)  
183x113x107mm
- Mounting bracket (LxWxH)  
165x210x205mm

## 2. Choose your sensors

### Soil monitoring



#### Substrate sensor

€ 869

3-in-1 measurement

Monitor volumetric water content, EC & temperature. Calibrations are available for each substrate.



#### Soil moisture sensor

€ 679

Measure the volumetric water content in potting soil and substrate.

NEW



#### Log & Solve moisture kit

€ 350

Minimal order of 6 sensors - 6 or 11 cm probe

Measure volumetric water content in 3 zones, soil temperature & light (lux). For pots, slabs and open field. Powered by Tentacles sensors.

Standalone sensor, no gateway needed

### Radiation monitoring



#### Net radiation sensor

€ 1999

Excluding bracket worth €349

Measure net radiation: the balance between incoming and outgoing radiation. For monitoring crop health.



#### PAR sensor

€ 1179

Measure the intensity of natural or artificial light across the photosynthesis spectrum.



#### PAR & far-red sensor

€ 1399

Monitor PAR (400-700nm), far-red (700-750nm), the sum of both and PAR/far-red ratio.



## Climate monitoring



MeteoShield® is a registered design & trademark of BARANI DESIGN Technologies

### Pointed micro climate

€ 949

Combined sensors – connect included

Measures temperature, relative humidity, and plant temperature. Calculates VPD, dew point, absolute humidity, and moisture deficit.



### Microclimate sensor

€ 749

This sensor measures the ambient temperature and relative humidity.



### Leaf temperature sensor

€ 599

Measure the plant temperature within the crop for better plant-level control.



### Microclimate sensor not shielded

€ 569

Measure ambient temperature and relative humidity. Suitable in storage spaces for example.



### Temperature probe sensor (PT 100)

€ 549

Measure the temperature of crops in storage, liquids, or raw materials (different probe lengths available).



### CO2 sensor

€ 1149

Needs power connection

Monitor carbon dioxide levels 0–2000 ppm.



### Airflow sensor

€ 1399

Measures air velocity and direction. So accurate that even the lowest wind speeds are measured.



### RTR sensor set

€ 1799

Combined sensors – connect included

PAR sensor and vented temperature humidity sensor. Measures temperature, relative humidity, and radiation.



### Photosynthesis sensor

€ 3248

Including Connect worth €349

Sendots photosynthesis efficiency sensor combined with the Connect.

## Weather monitoring



### Wind direction sensor

€ 849

Suited for outdoor use

Gain more control over the airflow by measuring air currents.



### Wind speed sensor

€ 849

Suited for outdoor use

Monitor weather conditions. Measure wind speeds up to 55 m/s.

## Aranet sensors

### Local network & 30MHz platform

Multiple options:



- T/RH sensor € 105
- Shielded T/RH sensor € 335
- Soil moisture sensor € 795
- CO2/temperature sensor € 335

## 3. Sensor data in the platform



### Software subscription € 112+ p/m\*

Local weather data included

30MHz platform to manage sensor data, receive notifications & analyse via dashboarding. All in one tool to optimize your cultivation strategy.

[\\*See all subscriptions](#)