Sensor catalogue

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   € 839

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

Repeater   € 445

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

Connect   € 375

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   € 915

3-in-1 measurement

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

Soil moisture sensor   € 710

Measure the volumetric water content in potting soil and substrate.

NIEUW

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   € 2259

Excluding bracket worth €349

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

PAR sensor   € 1250

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

PAR & far-red sensor   € 1530

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

Climate monitoring

Pointed micro climate — € 979
Combined sensors - connect included

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

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

Microclimate sensor — € 789

This sensor measures the ambient temperature and relative humidity.

Leaf temperature sensor — € 629

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

Microclimate sensor not shielded — € 599

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

Temperature probe sensor (PT 100) — € 575

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

CO2 sensor — € 1499
Needs power connection

Monitor carbon dioxide levels 0-2000 ppm.

Airflow sensor — € 1539

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

RTR sensor set — € 1889
Combined sensors - connect included

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

Photosynthesis sensor — € 3498
Including Connect worth €375

Sendots photosynthesis efficiency sensor combined with the Connect.

Weather monitoring

Wind direction sensor — € 890
Suited for outdoor use

Gain more control over the airflow by measuring air currents.

Wind speed sensor — € 890
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 — € 110
- Shielded T/RH sensor — € 352
- Soil moisture sensor — € 704
- CO2/temperature sensor — € 352

3. Sensor data in the platform

Software subscription — € 135+ 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