



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. Please ask your contact person for more information.

1. Network basics



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*

Each 30MHz sensor comes with a Connect. The Connect sends measurements from the connected sensor to the 30MHz platform.

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

* [Note](#): The Repeater looks the same as the Connect but serves a different purpose.

2. Choose your sensors

Soil monitoring



Substrate moisture sensor

€ 869

[3-in-1 measurement](#)

Monitor the volumetric water content, electrical conductivity, and temperature. Calibrations are available for each substrate.



Soil moisture sensor

€ 679

Measure the volumetric water content in potting soil and substrate.



Potted soil moisture sensor

€ 679

Monitor the volumetric water content in agricultural soil and substrate.

Radiation monitoring



Net radiation sensor

€ 1999

[Excluding bracket worth €349](#)

Measure net radiation: the balance between incoming and outgoing radiation that affects the health of the crop.



PAR sensor

€ 1179

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



Climate monitoring



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

Pointed micro climate € 949

Combined sensors

Measure temperature, relative humidity, and leaf/fruit temperature. It also calculates VPD, dew point, absolute humidity, and moisture deficit.



Vented temperature humidity sensor € 749

This sensor measures the ambient temperature and relative humidity.



Surface temperature sensor € 599

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



Temperature humidity sensor € 569

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



Temperature probe sensor (PT 100) € 549

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



CO2 sensor € 1149

Monitor carbon dioxide levels 0-2000 ppm. This sensor requires a power connection and is not wireless.



Airflow sensor € 1399

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



RTR sensor set € 1799

Combined sensors

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



Photosynthesis efficiency sensor € 2699

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 the wind direction and other air currents.



Wind speed sensor € 849

Suited for outdoor use

Monitor the weather conditions. This sensor measures wind speeds up to 55 m/s

3. Sensor data in your platform



Connect € 99+ p/m

Local weather data included

You use the sensors with a subscription to the 30MHz platform. Here, you manage the sensor data. You build graphs based on your cultivation strategy or use our applications.

[Other subscriptions](#)