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.

PAR-FAR sensor   € 1399

Measure PAR (400-700nm), FAR-RED (700-750nm), the sum of both as extended par and calculates the PAR/FAR-RED ratio.

Climate monitoring

Pointed micro climate — € 949
Combined sensors

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

Vented temperature humidity sensor — € 749

This sensor measures the ambient temperature and relative humidity.

Surface temperature sensor — € 599

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

Temperature humidity sensor — € 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

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

Photosynthesis efficiency sensor — € 2699

sendot

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

Aranet sensors

Aranet local network with data in 30MHz platform

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

3. Sensor data in your platform

Platform subscription — € 99+ p/m*
Local weather data included

Manage the sensor data, build graphs based on your cultivation strategy or use our applications.

*Other subscriptions