

Orange is the new sensor.



CARA MET, the new Sensor Measuring Solution



We're helping you to unlock the power of your data for optimizing your irrigation and nutrition strategy and for increasing yield and quality with as little water and energy as possible.

The CARA MET sensor was developed by Saint-Gobain Cultilene in cooperation with SOWNet technologies (spin-off of TNO). The founding father of the sensor technology is Dr. Max Hilhorst. With the latest wireless communication technology, developed

together with TNO, we provide you real-time remote root zone monitoring on any device, anywhere.

In combination with the Cultilene stone wool substrate and advice from the Cultilene application team the sensor CARA MET sensor can unlock the valuable insights contained in big data and learn more about your root zone dynamics. With the new sensor CARA MET sensor, Cultilene can help you achieve your goals more than ever.



HIGHLY AFFORDABLE

- CARA MET uses the latest technology to reduce the costs of monitoring your root zone
- Always in sets of 10 sensors per hectare with one base station



EXTREMELY ACCURATE

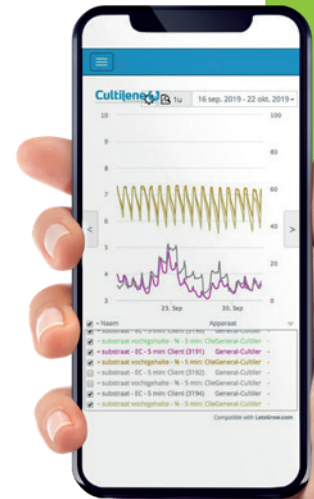
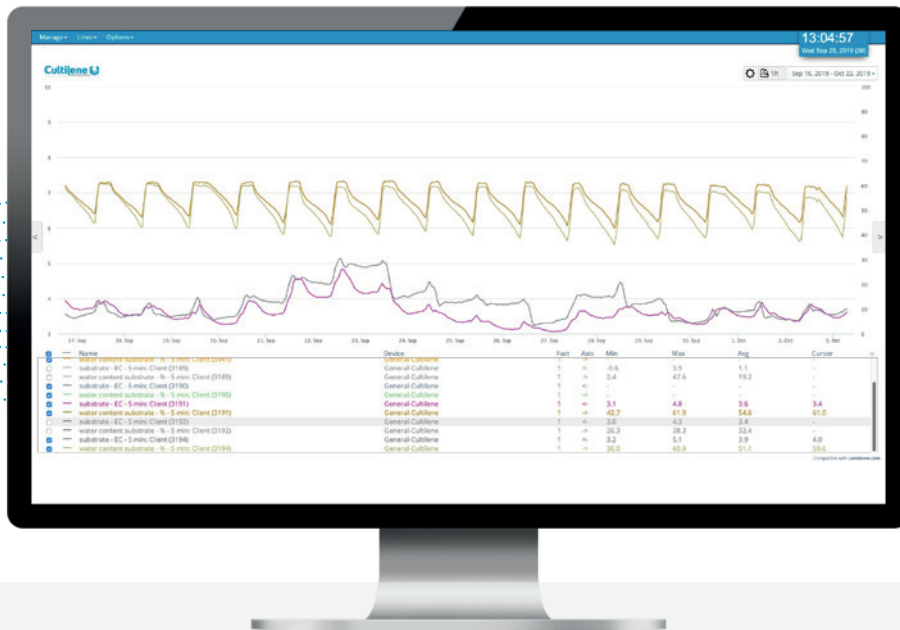
- Precision horticulture in the range of EC 1-12
- Providing you with constant monitoring of your root zone with high precision and reliability
- More than 1000 sensors connectable per base station



DUTCH DESIGN

- Designed by NPK design studio in Leiden
- The accented colour of your sensor makes it easy to spot the sensor in the greenhouse from a distance.
- No interference from bugs (animals)

Real-time remote root zone monitoring



Plug and Play

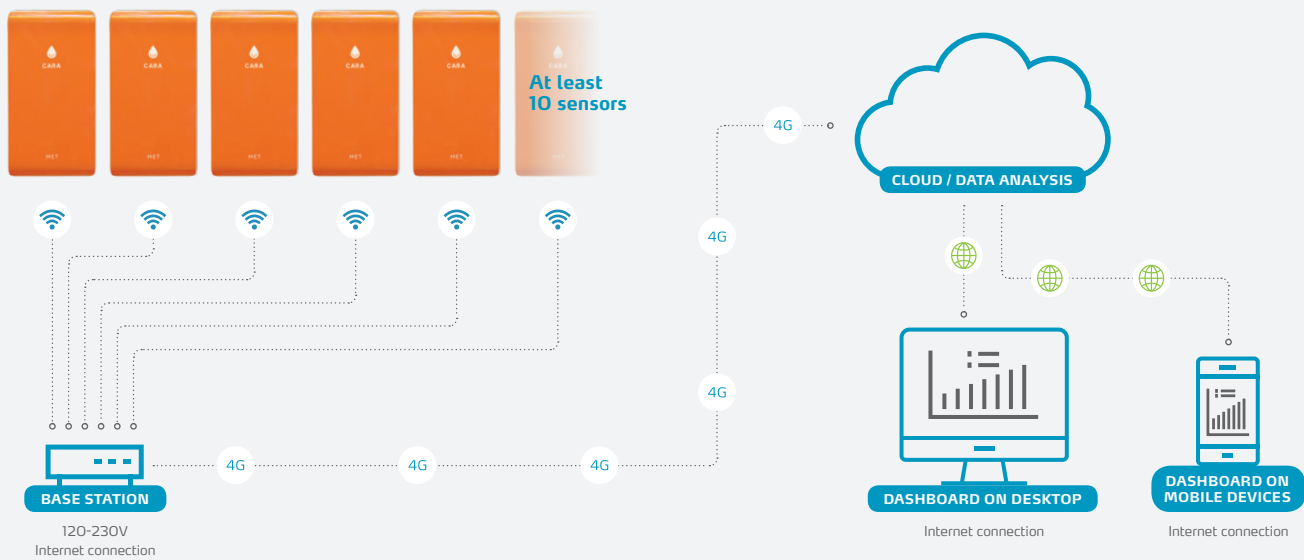
- You buy, receive and connect the base station, install the batteries, insert into the slab, and login.
- In real-time, view your Moisture content, EC and Temperature (MET) data via your water balance module on the Cultilene website or by linking it to your LetsGrow.com account.
- Wireless and battery powered offers you months of continuous data.
- Waterproof IP65, easy to clean and disinfect.
- Its added fixture permits a good positioning of the sensor without separation of the slab during the season.
- Remote sensor update is available thanks to IOT cloud computation.
- Sensor can be inserted directly into the slab, no need of additional long cables.

10 sensors per hectare for the best result

Saint-Gobain Cultilene recommends that the grower uses at least 10 sensors per hectare instead of 1 per hectare. The more sensors, the better insight you have into what occurs in the root zone and the better you can map the Moisture content, EC and Temperature in a greenhouse.



CARA MET system overview



PRODUCT SPECIFICATIONS

- The most reliable (based on practice test) Moisture content, EC and Temperature measurements available at anytime, anywhere

TYPE	RANGE	ACCURACY
EC	0-7/7-12 mS/cm	± 0.3/0.7 mS/cm
WC%	0-100%	5%
T	0-50 °C	1 °C

- Your devices can show the detailed information and provide access to the data graphs.
- It is also possible to virtually see a climate computer and sensor data on the same dashboard. In this case, the climate computer needs to be connected to a LetsGrow.com account.

SYSTEM REQUIREMENTS

- Sensors must be placed within a 50-meter radius of the base station
- All cables included in package

Curious about what the **CARA MET sensor** can do for you? Get in touch!

→ SenseNL B.V.
T: +31(0)85 876 89 09
info@sensenl.com



SenseNL B.V.

www.sensenl.com | info@sensenl.com