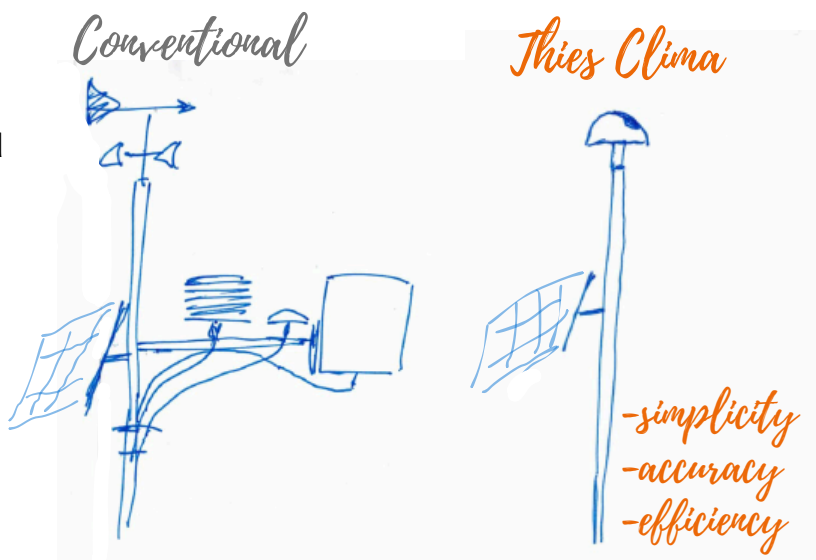




# Weather Station WSC Agrar

## HIGHLY COMPACT DESIGN to meet the needs of precision farming.

The WSC agricultural kit for off-grid use includes a measurement mast with ground anchor, integrated power supply consisting of a solar panel and battery unit, as well as connections for soil moisture sensors. It also features cloud connectivity with an integrated cellular module. The kit comprehensively measures weather parameters such as temperature, precipitation, radiation, wetting status, and wind. It also includes a GPS sensor



THERE IS BOTH A MODULAR SYSTEM FOR CUSTOM DESIGN-IN OEM SOLUTIONS AND A STREAMLINED STANDARD VERSION AVAILABLE.

THE WORLD OF WEATHER DATA

# WSC AGRAR Sensor

## Target technical data: Project specification



### Wind speed

0...40 m/s, 0.1 m/s resolution, +/-1 m/s RMS up to 10 m/s, +/-5 % RMS above 10 m/s

### Wind direction

0...360°, 1° resolution, +/-10° accuracy



### Global radiation

0...1300 W/m<sup>2</sup>, < 1 W/m<sup>2</sup> resolution, +/-10 % (+/-130 W/m<sup>2</sup>)

### PAR

0...2255 μmol/(s·m<sup>2</sup>)



### Precipitation

Y/N, hail Y/N, measuring range 0...15 mm/h, 0.001 mm resolution (THERMACERN)



### Temperature

-30...+60 °C, 0.1 °K resolution, +/-1 °C (-5...25 °C) accuracy @ wind speed > 2 m/s



### Air pressure

300...1100 hPa, 0.01 hPa resolution, ±0.5 hPa @ 20°C



### Relative humidity

0...100 % rel. humidity, 0.1 % rel. humidity resolution, +/-10 % accuracy @20 °C and > 2m/s wind speed



### Network

E-SIM card, wireless communication  
Data transmission via LTE-M, GPRS, NB-IoT  
Separate databases per customer  
Flexible archive and transfer intervals  
MQTT-based communication with cloud  
RESTful API for data access



## Smart farming with local weather data: Optimized agriculture through smart technology.

The compact WSC Agrar weather station provides reliable local weather data in a user-friendly, low-maintenance and compact shape. With precise measurements of temperature, humidity, precipitation and wind, it enables targeted management of crop cultivation, irrigation, fertilization and pest control. Ideal for precision farming and smart farming applications, the weather station delivers valuable information for efficient resource management and yield enhancement. Its easy integration into existing farm management systems and remote monitoring capability make the WSC Agrar a cost-effective solution that seamlessly fits into OEM product portfolios. Leverage a reliable, compact and cost-efficient weather data tool that offers end-users simple handling and enhanced value.

For more information,  
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Weather Stations  
More details >

