

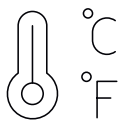
# Aranet IR plant temperature sensor overview



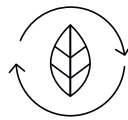
This infrared thermometer has an adjustable arm providing precise aiming for measuring plant temperatures at specific places for horticulture.

## Function

With a properly aimed probe arm, this sensor:



Measures plant temperature  $T$  at specific points.



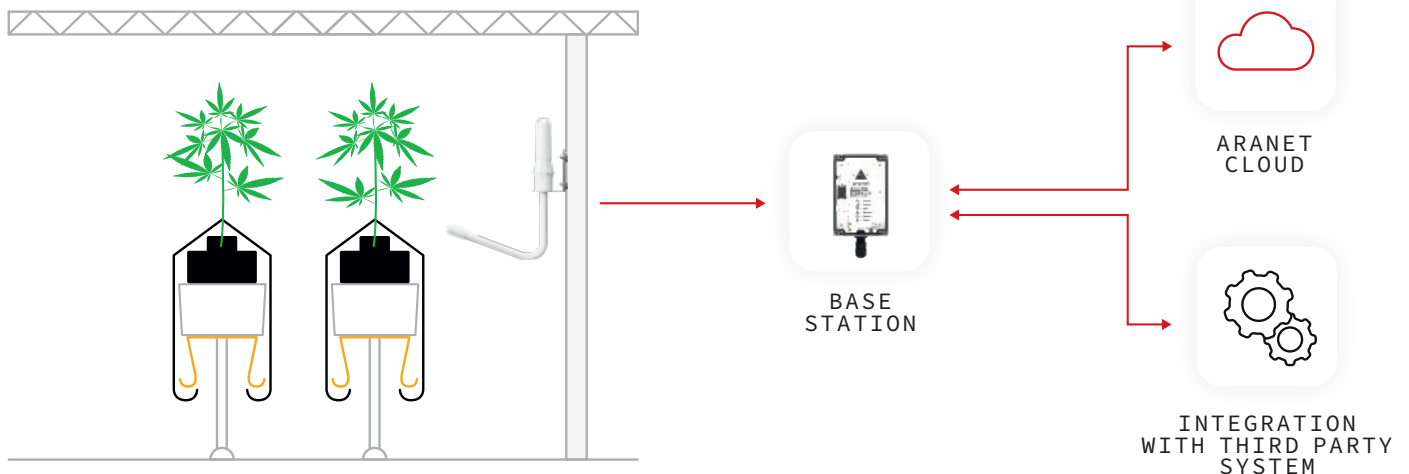
Determines Vapor Pressure Deficit - VPD, indicating plant stress due to excess light.



Maximizes fruit yield using VPD as an input for computer-controlled screen adjustment.

## Instructions

Place the sensor close to plants and aim the arm to obtain reading from specific plant area – as shown in the Installation example photo.



The schematic of Aranet IR plant temperature sensor installation.

## Full automation routine

Aranet IR sensor and climate computer rules out the human factor from lighting adjustments using this flow:

1. IR sensor measures temperature.
2. Base station collects measured data.
3. Access data from base station locally, or from Aranet cloud.
4. Evaluate temperature and VPD data and set climate computer to adjust lighting conditions.