

Aranet PAR sensor overview



This sensor measures photosynthetic active radiation for horticulture and other applications.

Function

When placed near the top of plants and exposed to unshaded, average lighting conditions, this sensor:



Monitors the amount of indoor light plants are exposed to



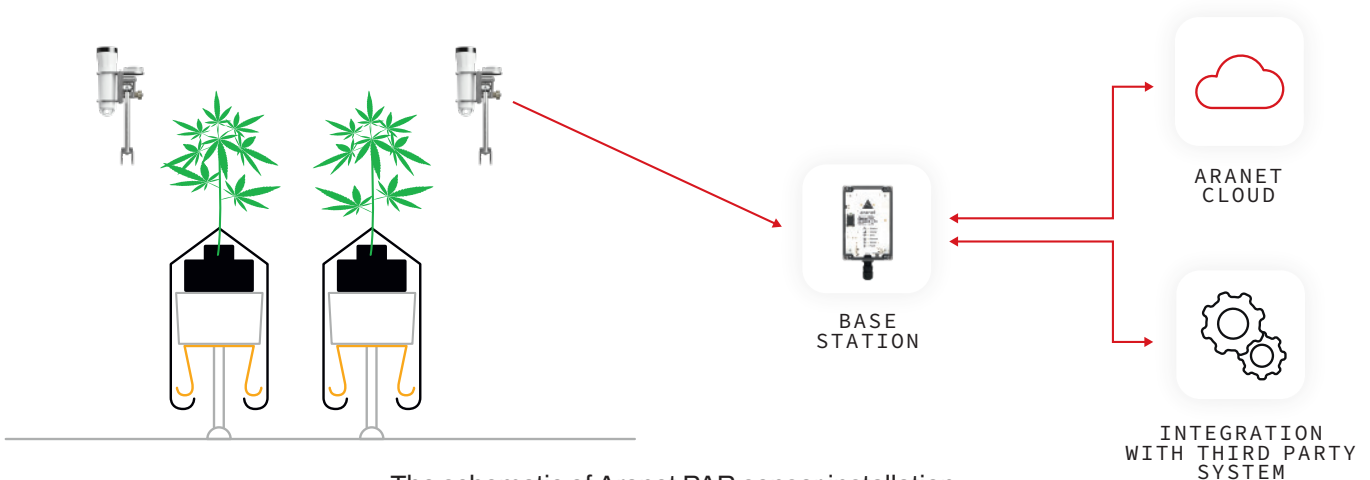
Measures greenhouse light transmissivity



Optimizes usage of artificial lighting, leveraging natural light

Instructions

Place PAR sensors at the top of plants in multiple locations across a greenhouse to obtain average lighting data. Avoid shade and spotlights of artificial lighting.



Full automation routine

Aranet PAR sensors and climate computer can optimize the usage of artificial lighting adjusting to outdoor conditions:

1. PAR sensor network measures light conditions.
2. Base station collects and stores measured data.
3. Access data from base station locally or from Aranet cloud.
4. Evaluate data and allow the climate computer to adjust artificial lighting and leverage natural light.