Draadloze PAR sensor (DLXm-PAR)

DLXm-PAR-as2winb

- Spectral range from 400 to 700 nm
- 180° measurement angle
- Accurate wireless detection
- Battery life of over 5 years
- Compatible with all WiSensys base stations
- Range 1,600 metres (clear line of sight)

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wirelessvalue

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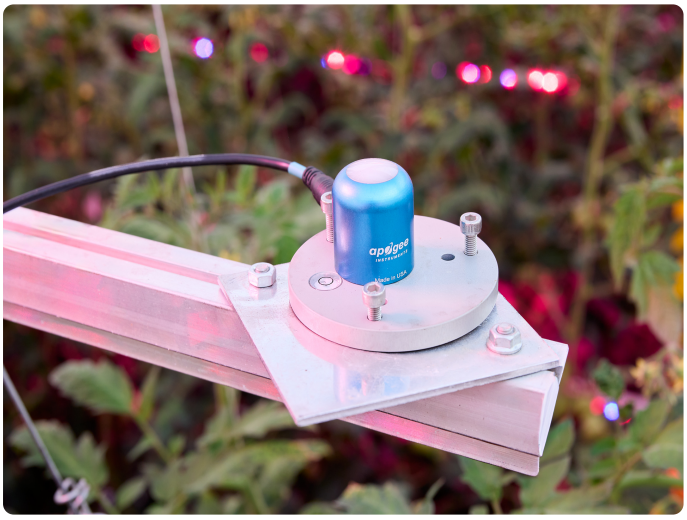

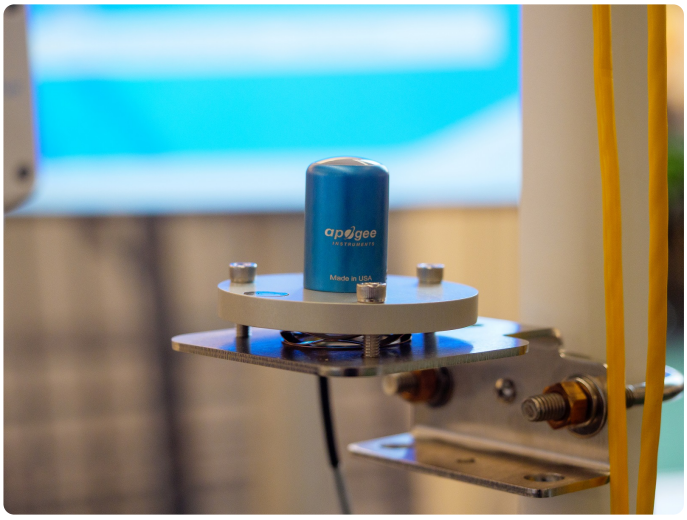

Description

DLXm-PAR

The Wireless Value DLXm-PAR measures light in the PAR (Photosynthetically Active Radiation) spectrum and sends this data to the base station. PAR light is generally measured in relation to crop growth in covered and uncovered crops. The DLXm-PAR is also suitable for measuring under LED lighting, making it ideal for vertical farming as well.

- Memory to store 10,000 measurements
- Adjustable measurement interval
- Attractive ABS casing
- Existing system can be expanded easily with additional sensors
- Unique network ID to avoid interference with other wireless systems

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Specifications

General

Casing	IP65
Colour	Black
Model	Apogee SQ-500-SS
Type	Apogee SQ500-SS

Measurement range

Operating limits	-20 °C to +80 °C
Spectral range (50%)	400 to 700 nm ± 4 nm
Angle of measurement	180°
Signal range	1,600 meters with clear line of sight

Measurement accuracy

PAR sensor response time (95%)	< 1 µs
Temperature response	< -0.12
Directionality (up to 80° with 1,000 µmol/m²·s beam)	< 30 µmol/m²·s
PAR sensitivity	4 to 10 µV/µmol/m²·s

Measurement resolution

PAR	0.000

Technical specifications

IP rating	IP65
Memory	10,000 measurements

Dimensions

Housing dimensions	70 (w) x 105 (h) x 32 (d) mm
Weight	358 g