



Sensor specifications

PAR sensor

Full spectrum quantum sensor designed to measure the strength of natural or artificial light within the Photosynthetically Active Region (PAR).

Specifications

Operating conditions	Temperature -40 to 70 °C* Relative humidity 0 - 100%
Dimensions	PAR Sensor: 24 x 37 mm (d x H)



Measurement specifications

Surface temperature	Spectral Range	389 to 692 nm $\pm$ 5 nm
	Accuracy	$\pm$ 5% (due to Calibration uncertainty)
	Resolution	0.1 μ mol m ⁻² s ⁻¹
	Measurement range	0 to 4,000 μ mol m ⁻² s ⁻¹

30MHz Connect

Every 30MHz sensor is powered by the Connect. It acts like the middleman between the sensor and the platform. This casing protects the electronics from greenhouse environment like moisture, dirt, and changing climate conditions.

The connect comes with a universal mounting bracket.

Specifications

Operating conditions	-10 to 55 °C (10 to 45°C while charging)
Dimensions (L x W x H)	Case: 183 x 113 x 107 mm Mounting bracket: 165 x 210 x 205 mm
Range	Indoors from 200 to 400 m (depending on Greenhouse layout)
Power source	Rechargeable battery (duration dependent on the sensor connected)
Protection	Water and dust according to IP67

