

# Plugsensor

## Radiação Solar PAR



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The **Plugsensor Radiação Solar PAR** is a sensor used to measure light intensity at wavelengths associated with photosynthesis, covering the spectral range of 400 to 700 nm. It offers a measurement range of 0 to 2,500  $\mu\text{mol}/\text{m}^2/\text{s}$ , ensuring accuracy and reliability under different environmental conditions. Constructed entirely from aluminum and featuring a waterproof seal, it is designed for outdoor use, enabling continuous and long-term monitoring.



# Technical Specifications

Parameter	Description
Output Interface	RS485 / Modbus-RTU
Power Supply	9 to 24 VDC
Power Consumption	0.15 W
Measurement	Range: 0 to 2,000 W/m <sup>2</sup>
	Resolution: ±1 W/m <sup>2</sup>
Measurement Technique	FDP
IP Rating	IP65
Operating Temperature	-45° C to 85° C
Enclosure	Metallic
Dimensions	39 cm x 37 cm
Cable / Connector	80 cm / Weipu SP13 Series - IP68

Sensor available only for integration with Plugstation from model WS22 and above.

