

Plugsensor

Radiação Solar Total (Fotodiodo)



Plugsensor

Radiação Solar Total (Fotodiodo)

The **Plugsensor Radiação Solar Total (Fotodiodo)** measures global solar irradiance over a 180° field, with fast response and a spectral range of 300 to 1,100 nm. Used in applications such as environmental monitoring and for tracking the performance of photovoltaic systems, it provides reliable information for operational analysis and supports strategic decision-making in the energy sector.



DS112501EN

Technical Specifications

Parameter	Description
Output Interface	RS485 / Modbus-RTU
Power Supply	3.9 to 30V/DC
Power Consumption	7 mA @24V DC
Measurement	Range: 0 to 2,000 W/m ²
	Accuracy: 5%
	Resolution: 1 W/m ²
	Spectral Range: 300 to 1,100 nm
Directional Error	Percentage of reading: $\pm 3\%$ (0 - $\pm 70^\circ$); $\pm 10\%$ ($\pm 70^\circ$ - $\pm 85^\circ$)
IP Rating	IP66
Operating Temperature	-40° to 85° C
Installation	Bracket
Sensor Dimensions	75 x 55 x 58 mm
Cable / Connector	2 meters or customized

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

