

Plugsensor

Radiação Solar Total (Termopilha)



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The **Plugsensor Radiação Solar Total (Termopilha)** measures global solar irradiance over a 180° field with high accuracy and a spectral range of 300 to 3,000 nm. Used in applications such as solar power plant monitoring, photovoltaic system validation, and energy modeling, it provides reliable data for performance analysis, indicator generation, and strategic decision support in the energy sector.



DS112501EN

Technical Specifications

Parameter	Description
Output Interface	RS485 / Modbus-RTU
Power Supply	9 to 24 VDC
Power Consumption	0.15W
Measurement	Range: 0 to 1,500 W/m ² Resolution: ± 1 W/m ²
Spectral Range	300 to 3,000 nm
Measurement Technique	FDR
IP Rating	IP65
Operating Temperature	-45°C to 85°C
Enclosure	Metallic
Dimensions	90 x 61 mm (cylindrical)
Cable / Connector	0.6 meters with 5x 22 AWG / SP13 Series - IP68

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

