

IRRADIATION AND TEMPERATURE SENSOR

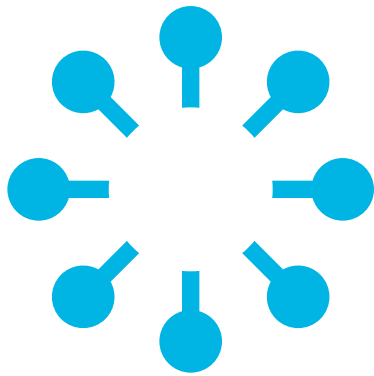
Silicon irradiance sensors show a cost-effective, but rugged and reliable solution for the measurement of solar irradiance, especially for the monitoring of Photovoltaic (PV) systems. Based on the construction of the sensor element corresponding to a PV module they are ideal as reference for the monitoring of PV systems.

TECHNICAL SPECIFICATIONS

Description	IRRADIATION SENSOR
Solar cell	Monocrystalline silicon
Irradiance Measurement	up to 1500 W/m ²
Cell temperature measurement	-40 to +90°C
Working temperature range	-35 to +80°C
Standard cable length	3m
Voltage supply	12 to 24 VDC
Protocol	Modbus RTU
Interface	RS485 up to 38.4 kBaud
Galvanic isolation	1.000 V between power supply and bus

REFERENCE

– AC1001-01: Irradiance & Temperature Sensor



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