

IRRADIATION SENSOR

This sensor is for measuring the irradiated energy and is in most cases fixed on the frame of the solar module.

Comparison of the irradiated power to thus of the inverter gives a rapid overview on the proper operation of the pv-system.



TECHNICAL DATA

Sensor	Mono crystalline Si-Sensor
Sensor voltage	approx. 70mV at 1000W/m ² (exact calibration voltage is written on the sensor)
Accuracy	± 5% (average over a year)
Ambient temperature	-40°C to +85°C; -40 F to 185 F
Design	Sensor is mounted on Z-shaped aluminium profile;
Dimensions	l x w x h = 110 x 40 x 40 mm
Cable	3m Cu-cable; UV-resistive, ferrules
Max. cable length (distance: Sensor Card/Box – sensor)	30m
Fronius Art. Nr.	43,0001,1189

Mounting tip: The sensor comes fixed onto an aluminium profile with an 8 mm hole. Thus screwing onto the module frame is very easy. Please mind, that the sensor does not cast any shadow on the module.

