GOSSEN METRAWATT

PROFITEST | PVSUN-SOR

Sensor for Irradiation, Temperature and Inclination Display via PROFITEST | PVSUN

3-349-704-03
2/12.12

Useful accessory for PROFITEST PVSUN with the following measuring functions:

- **Solar irradiance (W/m²) on photovoltaic systems**
- **Contact-free temperature measurement**
- **Measurement of the inclination angle at photovoltaic modules**



Irradiation Sensor



Temperature Sensor

Application

Sensor for measuring the irradiation, temperature and inclination angle of photovoltaic systems per VDE 0126-23/EN 62446. The sensor is connected with the test instrument via the terminal located at the **PROFITEST PVSUN** whereas the measured values are issued via the **PROFITEST PVSUN** display.

Applicable Regulations and Standards

IEC 61010-1/EN 61010-1/ VDE 0411-1	Safety requirements for electrical equipment for measurement, control and laboratory use – General requirements
EN 60529 VDE 0470 Teil 1	Test instruments and test procedures Degrees of protection provided by enclosures (IP code)
DIN EN 61326-1 VDE 0843-20-1	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 1: General requirements

Order Information

Description	Type	Article Number
Sensor for irratiation, temperature and inclination for test instrument PROFITEST PVSUN	PROFITEST PVSUNSOR	Z360N

Characteristic Values

Irradiance

Measuring range	0 ... 2000 W/m²
Cell	monocrystalline, approx. 27 x 16 mm
Resolution	1 W/m²
Accuracy	±15% (T = 25 °C)

Temperature Measurement

Measuring range	–55 ... 99 °C
Resolution	1 °C
Accuracy	±1 °C

Inclination Angle

Measuring range	0 ... 90°
Resolution	0.1°
Accuracy	±1°

Display	via PROFITEST PVSUN Display refresh 1/s
Power Supply	via PROFITEST PVSUN interface: approx. 3.3 V/ approx. 3.1 mA

Mechanical Design

Dimensions	approx. 120 x 65 x 27 mm
Cable length	10 m
Weight	approx. 150 g

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Display via PROFITEST | PVSUN