

PROFITEST | PVsUN-SOR

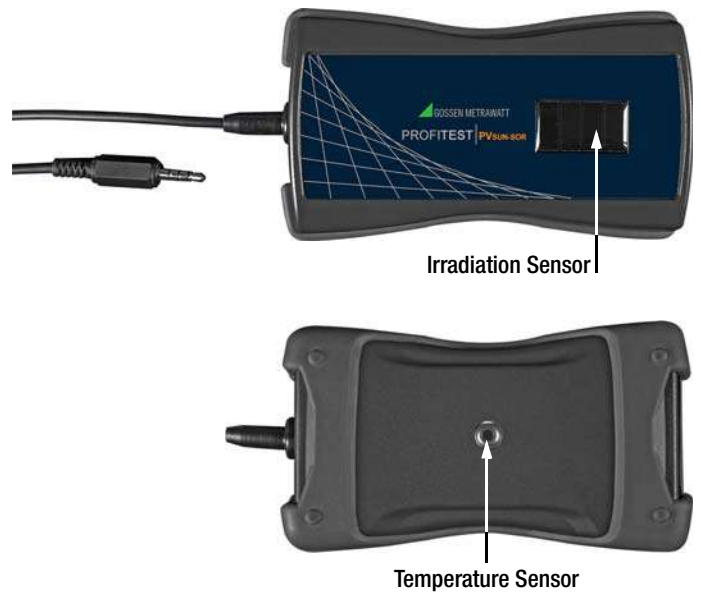
Sensor for Irradiation, Temperature and Inclination

Display via PROFITEST | PVsUN

3-349-704-03
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Useful accessory for PROFITEST PVsUN
with the following measuring functions:

- Solar irradiance (W/m^2) on photovoltaic systems
- Contact-free temperature measurement
- Measurement of the inclination angle at photovoltaic modules



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 irradiation, temperature and inclination for test instrument PROFITEST PVsUN	PROFITEST PVsUNSOR	Z360N

Characteristic Values

Irradiance

Measuring range	0 ... 2000 W/m^2
Cell	monocrystalline, approx. 27 x 16 mm
Resolution	1 W/m^2
Accuracy	$\pm 15\%$ ($T = 25\text{ }^\circ\text{C}$)

Temperature Measurement

Measuring range	$-55 \dots 99\text{ }^\circ\text{C}$
Resolution	1 $^\circ\text{C}$
Accuracy	$\pm 1\text{ }^\circ\text{C}$

Inclination Angle

Measuring range	0 ... 90 $^\circ$
Resolution	0.1 $^\circ$
Accuracy	$\pm 1^\circ$

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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Edited in Germany • Subject to change without notice • A PDF version is available on the Internet



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