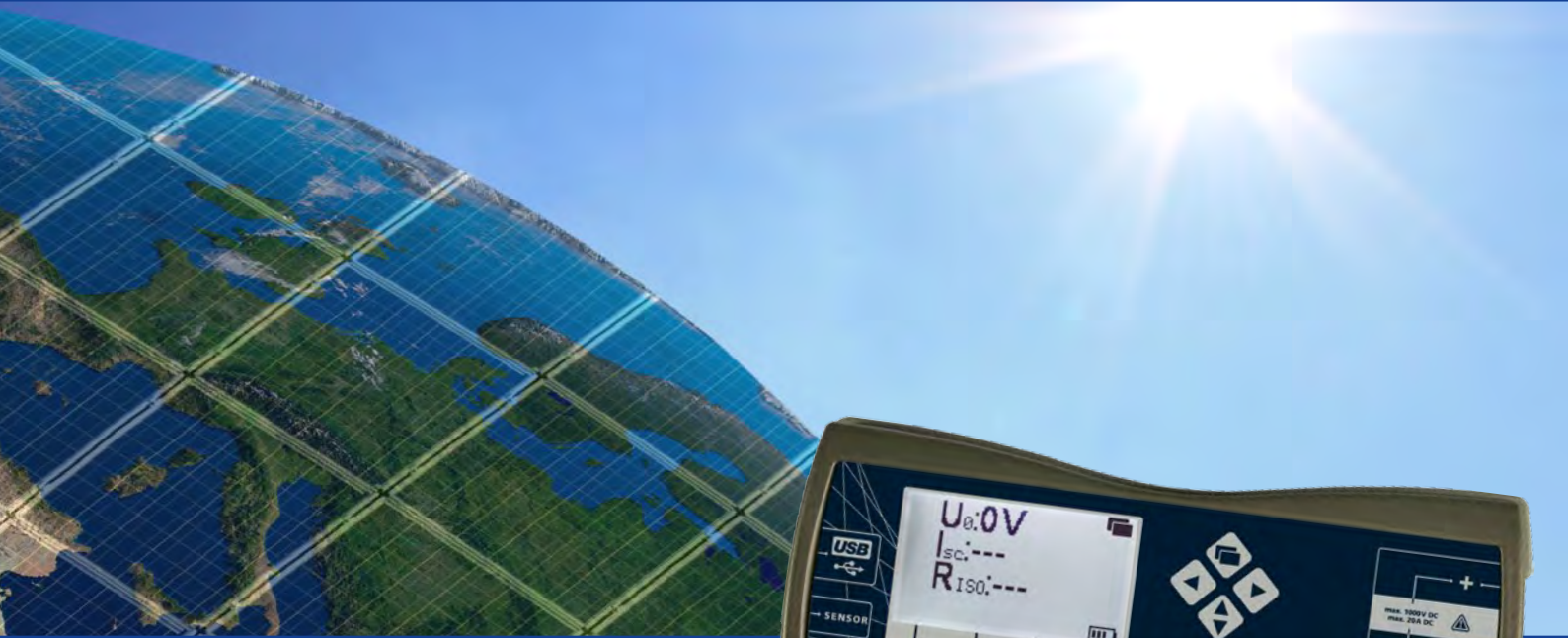


# PROFITEST | **PVsUN** — **Q**UICK **U**NIVERSAL **S**TANDARD COMPLIANT



## PROFITEST | **PVsUN MEMO**



## PROFITEST | **PVsUN-SOR**

Test Instrument for Testing PV Modules  
and Strings per DIN EN 62446 (VDE 0126-23)  
with Integrated Memory

# Test Instrument for Testing PV Modules and Strings per DIN EN 62446 (VDE 0126-23)

**Voltage measurement:** 0 ... 1,000 VDC

**Current measurement (direct):** 0 ... 20 ADC

**Insulation resistance measurement**

– Measuring range: 0 ... 20 MΩ

– Test voltages: 250V/500V/1,000VDC

**Ground fault measurement:** 0 ... 1,000 VDC

**Testing for protective conductor continuity:**

0 ... 10 Ω / > 200 mA / with automatic polarity reversal

**Polarity test**

**Backlit LCD panel**

**Compact and rugged** – for service calls under harsh conditions

Additionally for PROFITEST **PVSUN MEMO**:

**Bidirectional interface**

**Internal memory for the storage of 10,240 data records**

**Free software tool**

## Application

With the PROFITEST **PVSUN** and the PROFITEST **PVSUN MEMO**, all required electrical safety tests at photovoltaic systems can be executed simply and safely in accordance with DIN EN 62446. The test instruments are suitable for testing PV modules and strings with up to 1,000V/20A. In addition to insulation measurement, polarity testing and ground fault testing, protective conductor continuity can also be tested. The testers are distinguished by their ergonomic design and easy handling with a weight of only 500 g.

## Software tool - PV SUN MEMO Control Center

The associated software allows for the acquisition of all PV system data and for direct transfer to the tester prior to performing the measurement. The PV system and the associated string are selected on site before each measurement. The measurement is stored after successful testing. After having successfully completed all tests and measurements, the entire data can be read in a simple and reliable manner via the USB interface and evaluated with the software.

## PROFITEST **PVSUN-SOR** – Useful Accessories for PROFITEST **PVSUN** and **PVSUN MEMO**

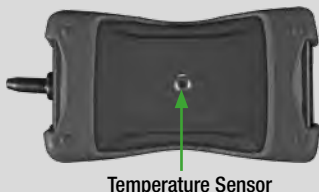
Solar irradiation intensity (W/m<sup>2</sup>) at photovoltaic systems

Contactless temperature measurement

Measurement of the inclination angle at photovoltaic modules



Irradiation Sensor



Temperature Sensor



## Standard Equipment

- 1 Test instrument PROFITEST **PVSUN**  
or
- 1 Test instrument PROFITEST **PVSUN MEMO**
- 1 4x batteries 1.5 V IEC LR6 (AA)
- 3 Safety measurement cables 1.5 m red, blue and yellow
- 1 Solar plug adapter to MC3 and MC4
- 1 Plug-on safety test probe with socket
- 1 Plug-on safety alligator clip with socket
- 1 Carrying case with foam insert
- 1 Set of operating instructions
- 1 Interface cable (**included for PVSUN MEMO**)
- 1 Analysis software (**included for PVSUN MEMO**)

## Order Information

Description	Type	Article Number
Test instrument for testing PV modules and strings	PROFITEST PVSUN	M360C
+ integrated memory (> 10,000 data records) and software	PROFITEST SUN MEMO	M360D
Sensor for acquiring irradiation, temperature and inclination angle	PROFITEST SUN-SOR	Z360N

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The  
GMC-I app:



Further information regarding our PROFITEST series can be accessed by scanning this code or by going directly to our website: