

TECHNICAL DATA

Amprobe SOLAR-100 Solar Power Meter



Key features

- Measure solar power and transmission up to 2000 W/m², 634 BTU / (ft²xh)
- Measure power per unit area of incident solar radiation
- Calculate solar power transmission percentage of the material with transmission mode
- Convenient and easy to read display with remote sensor technology
- Selectable measurement units either W/m² or BTU / (ft²xh)

Product overview: Amprobe SOLAR-100 Solar Power Meter

Introducing the SOLAR-100, a versatile solar power meter designed for both non-solar and solar panel applications. With this innovative device, you can optimize the placement of photovoltaic (PV) panels and calculate the overall energy and efficiency of PV systems. It also helps in verifying window efficiency and performance by calculating the heat generated or reduced by direct sunlight. The SOLAR-100 is not only essential for solar installations but also ideal for use in physics and optical laboratories, agricultural applications, and meteorology.

Solar Panel Meter Applications

The SOLAR-100 solar panel meter plays a crucial role in solar and PV installation applications:

- **Optimal Placement of PV Panels:** The device helps in determining the best location for the solar panels or solar water heater by conducting solar power research.
- **Transmission Mode:** It calculates the solar power transmission percentage of the material, determining how much solar power in % will be transmitted through the window.

Solar Power Meter General Applications

The SOLAR-100 is more than a solar panel meter. It offers a plethora of non-solar panel applications:

- **Window Efficiency Verification:** It helps in calculating and verifying the heating or heat reduction caused by direct sunlight on windows.
- **Solar Radiation Measurements:** The device effectively measures the power per unit area of incident solar radiation.
- **Use in Various Fields:** The SOLAR-100 is also ideal for use in physics and optical laboratories, agriculture, and meteorology.
- **Reading Modes:** The maximum or minimum reading mode displays the highest or lowest reading in a session to track sudden increases or decreases in readings.
- **Hold Function:** This function keeps a reading on the display, providing readings at a glance on its liquid crystal display (LCD).

Specifications: Amprobe SOLAR-100 Solar Power Meter

Features	SOLAR-100
Solar power	Up to 2000 W/m ² , 634 BTU/(ft ² xh)
Max/min	•



Data hold	.
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Specifications	
Display:	3½ digits, 2000 readings
Range:	1999 W/m ² , 634BTU / (ft ² xh)
Baery:	1 X 9V Alkaline baery (NE DA 1604A, IE C 6LR61) included

Ordering information



SOLAR-100

- Measures the solar power and transmission up to 2000 W/m², 634BTU / (ft²xh)
- Power Mode – measurement of the power per unit area of incident solar radiation

Included Accessories: Battery (installed), carrying case, users manual

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