AMPROBE®

Data Sheet

SOLAR-100
Solar Power Meter

Optimize the placement of solar systems and verify window efficiency. The SOLAR-100 measures solar output that is used to calculate overall energy, efficiency and placement of solar systems.

- **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**
- **Transmission Mode - calculates the solar power transmission percentage of the material for example how much solar power in % will be transmitted through the window**
- **Convenient to read display with remote sensor technology**
- **Selectable measurement units either W/m² or BTU / (ft² x h)**
- **Data Hold**
- **MAX/MIN functions to indentify locations with maximum or minimum power**
- **Applications:**
  - **Windows performance – calculation and verification of the heating or heat reduction caused by direct sunlight**
  - **Solar radiation measurements**
  - **Solar power research for location of the solar panels or solar water heater**
  - **Physics and optical laboratories**
  - **Meteorology**
  - **Agriculture**

No hassle warranty

No waiting.

No shipping charges.

Our commitment to high-quality products and customer service is demonstrated by our industry exclusive "No Hassle" warranty. In the unlikely event that an Amprobe Test Tool requires warranty service, any of our local dealers are authorized to replace it, on the spot.

(note: $500 MSLP limit)

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TESTERS AND TOOLS.COM
Trust Experience Reliability
sales@testersandtools.com
Tel: 602-795-4033, Fax: 602-795-4624

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Specifications

Display	3½ digits, 2000 readings
Range	1999 W/m^2, 634BTU / (ft^{2}xh)
Accuracy	Typically within +/- 10W/m^2 [+/-3 BTU/ (ft^{2}xh)] or +/- 5% whichever is greater in sunlight
	Additional temperature included error +/- 0.38 W/m^2 / ° C [+/-0.12 BTU/ (ft^{2}xh)] / ° C] from 25 ° C
Angular Accuracy	Cosine corrected < 5% for angles < 60°
Drift	< +/- 2% per year
Over-input	Display "OL"
Sampling Time	Approx 0.25 second
Operating Temp. & Humidity	5°C to 40°C (41°F to 104°F)below 80% RH
Dimensions	132(L) x 60(W) x 38(H) mm (5.2 x 2.4 x 1.5 in)
Weight	About 150g (0.3 lb)
Battery	1 X 9V Alkaline Battery (NE DA 1604A, IE C 6LR61) included

Amprobe® Test Tools
website: www.Amprobe.com
email: info@amprobe.com
Everett, WA 98203
Tel: 877-AMPROBE

Amprobe® Test Tools Europe
In den Engematten 14
79286 Glottertal, Germany
Tel.: +49 (0) 7684 8009 - 0

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