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)
## SOLAR-100 Solar Power Meter

### Specifications

<table>
<thead>
<tr>
<th>Description</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Display</strong></td>
<td>3½ digits, 2000 readings</td>
</tr>
<tr>
<td><strong>Range</strong></td>
<td>1999 W/m², 634 BTU / (ft² x h)</td>
</tr>
<tr>
<td><strong>Accuracy</strong></td>
<td>Typically within +/- 10 W/m² [+/−3 BTU / (ft² x h)] or +/- 5% whichever is greater in sunlight</td>
</tr>
<tr>
<td></td>
<td>Additional temperature included error +/- 0.38 W/m² / °C [+/−0.12 BTU / (ft² x h)] / °C] from 25 °C</td>
</tr>
<tr>
<td><strong>Angular Accuracy</strong></td>
<td>Cosine corrected &lt; 5% for angles &lt; 60°</td>
</tr>
<tr>
<td><strong>Drift</strong></td>
<td>&lt; +/- 2% per year</td>
</tr>
<tr>
<td><strong>Over-input</strong></td>
<td>Display “OL”</td>
</tr>
<tr>
<td><strong>Sampling Time</strong></td>
<td>Approx 0.25 second</td>
</tr>
<tr>
<td><strong>Operating Temp. &amp; Humidity</strong></td>
<td>5°C to 40°C (41°F to 104°F) below 80% RH</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>132(L) x 60(W) x 38(H) mm (5.2 x 2.4 x 1.5 in)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>About 150g (0.3 lb)</td>
</tr>
<tr>
<td><strong>Battery</strong></td>
<td>1 X 9V Alkaline Battery (NE DA 1604A, IE C 6LR61) included</td>
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</tbody>
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**Amprobe® Test Tools**

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