

**SOLAR METER** A device used to measure solar power. When the sun shines brightly, just take the KM-SPM-11 and aim its opening at the sun, and you will see how powerful the sun is. If you want your skin white, you surely cannot do without it!

**MEASUREMENT** : Expressed by W/m or BTU (ft<sup>2</sup>\*h).



Model KM-SPM-11

**APPLICATIONS :**

- Solar power research.
- Physics and optical laboratories.
- Solar radiation measurement.
- Transmission measurement is most suitable for measuring the effectiveness of the solar film.
- Car windows light intensity measurement.
- Optimal incident angle for the solar panel.
- Measurement of the sun's transmission through transparent and film glass.
- Convenient, no need to adjust, data displayed clearly.
- Identify high performance windows.
- Simple to use General data.

**FEATURES :**

- Super low price, high precision.
- End-mount light sensor.
- Select either power or transmission.
- Overload display OL.
- Select either W/m<sup>2</sup> or BTU / (ft<sup>2</sup>\*h) units.
- Data Hold / MAX / Min modes.
- Stable for long use long time stability.
- Backlight Display
- Measurable light sources, including all visible light.

**GENERAL SPECIFICATIONS :**

- \* **Display** : 3½ digits LCD with maximum reading 1999
- \* **Range** : 1999W/m<sup>2</sup>, 634 BTU (ft<sup>2</sup>\*h) .
- \* **Resolution** : 1W/m<sup>2</sup>, 1BTU (ft<sup>2</sup>\*h) ..
- \* **Accuracy** : <math>\pm 3\%</math> / year
- \* **Accuracy** : Typically within  $\pm 10W / m^2$  {  $\pm 3BTU / (ft^2 \cdot h)$  } or  $\pm 5\%$ , whichever is greater in sunlight; Additional temperature induced error  $\pm 0.38 W / m^2 / ^\circ C$  {  $\pm 0.12BTU / (ft^2 \cdot h) / ^\circ C$  } from 25°C
- \* **Angular Accuracy** : Cosine corrected <math>< 5\%</math> for angles <math>< 60^\circ</math>
- \* **Drift** : <math>< \pm 2\%</math> / per year
- \* **Over-input** : Display shows "OL"
- \* **Operating temp. & RH** : 5°C-40°C, below 80%RH.
- \* **Storage temp. & RH** : -10°C-60°C, below 70% RH.
- \* **Sampling time** : Approx. 0.25second
- \* **Battery life** : approx. 100hr.
- \* **Dimensions** : 132(L) x 60(W) x 38(H)mm,
- \* **Weight** : approx. 150g.

**ACCESSORIES :**

User manual, 9V battery & Carrying case.

**SAFETY :**

**EMC** : This instrument is EMC-compliant and has undergone compatibility tests according to EN61326 (1997)+A1(1998)+A2(2001).

**All Specifications are subject to change without prior notice**