

**SOLAR METER** A device used to measure solar power. When the sun shines brightly, just take the KM-SPM-11A 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).



Preliminary Data

**APPLICATIONS :**

- Solar radiation measurement.
- Meteorology
- Agriculture
- Windows performance
- Physics and optical laboratories.
- Solar power research for the installation of the solar panels or solar water heater.

**FEATURES :**

- High Accury, low price
- "OL" indication
- Low Battery indication
- Data Hold, Max/Min Hold Function
- High stability
- Two Units : w / m<sup>2</sup> or BTU / (ft<sup>2</sup>\*h)
- Manual Range Selection
- Zero Adjustment

**GENERAL SPECIFICATIONS :**

- \* **Display** : 3½ digits LCD with maximum reading 1999
- \* **Range** : 1999 W / m<sup>2</sup>, 634 BTU (ft<sup>2</sup> \* h) .
- \* **Resolution** : 0 ~ 199.9 W / m<sup>2</sup>, 0 ~ 199.9 BTU (ft<sup>2</sup> \* h) : 0.1  
0 ~ 1999 W / m<sup>2</sup>, 0 ~ 634 BTU (ft<sup>2</sup> \* h) : 1
- \* **Accuracy** : ± 10 W / m<sup>2</sup> [±3 BTU / (ft<sup>2</sup> \* h)] or ±5%,  
whichever is greater in sunlight;  
Additional temperature induced error  
± 0.38 W / m<sup>2</sup> / °C [±0.12 BTU / (ft<sup>2</sup> \* h) / °C]  
from 25°C.
- \* **Sampling time** : Approx. 2.5 second
- \* **Operating Altitude** : Upto 2000M
- \* **Pollution degree** : 2
- \* **Operating temp. & RH** : 5°C ~ 40°C, below 80%RH.
- \* **Storage temp. & RH** : -10°C ~ 60°C, below 70% RH.
- \* **Power Supply** : 9V Battery (NEDA 1604 IEC 6F 22 JIS 006P).
- \* **Battery life** : Approx. 100hr.
- \* **Dimensions** : Approx.140(L) x 65(W) x 37.5(H)mm,
- \* **Weight** : Approx. 300g.(without battery).

**ELECTRICAL SPECIFICATIONS :**

Measuring Range	Resolution	Accuracy
0 ~ 199.9 W / m <sup>2</sup>	0.1	± 10 W/m <sup>2</sup> or ±5%,
0 ~ 1999 W / m <sup>2</sup>	1	
0 ~ 199.9 BTU (ft <sup>2</sup> * h)	0.1	3 BTU / (ft <sup>2</sup> * h)] or ±5%
0 ~ 634 BTU (ft <sup>2</sup> * h)	1	

Whichever is greater in sunlight; Additional temperature induced error  
0.38 W/m<sup>2</sup> / °C [±0.12 BTU / (ft<sup>2</sup> \* h) / °C] from 25°C.

**SAFETY :**

**EMC** : EMC: EN61326-1:CISPR 11:Group 1, Class B

Class B – Equipment for use in all establishments other than domestic.

Group 1 – RF energy generated is needed for internal functioning.

**ACCESSORIES :**

User manual, 9V Battery & Carrying case.

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