

APPLICATIONS :

- Solar radiation measurements
- Solar power research for locating the right site of the solar panels or solar water heater .
- Physics and optical laboratories
- Meteorology
- Agriculture
- Windows performance - calculate the rate of daylight penetration

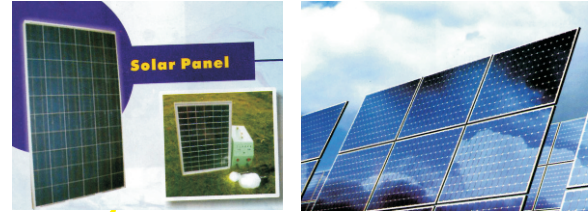
FEATURES :

- Solar power measurement with Orientation and Tilt angle
- Easy measurement for rate of daylight penetration
- Auto change for measuring range
- Auto power off with disable function
- Instantaneous display Avg/Min/Max values
- 20 points memory
- Socket of tripod mounting
- Magnetic mount
- Backlit LCD and 4 digits triple display

GENERAL SPECIFICATIONS :

- * **Display :** Back-lighted LCD & 4 digits triple display.
- * **Sensor :** High sensitive silicon photodiode.
- * **Measuring Range :** 0 ~ 2000W/m² (0 ~ 634 BTU (ft²* h) .
- * **Spectral Response :** 400~1100nm
- * **Operating Temperature :** 0~50°C (32~122°F)
- * **Relative Humidity :** Maximum 85%R.H. at 60°C decreasing linearly to 80% R.H. at 50°C
- * **Storage Temperature :** -10~60°C (14~140°F)
- * **Power Supply :** 9V Battery
- * **Angular Accuracy :** Cosine calibration < 5% (angle < 60°)
- * **Low Battery Indication.**
- * **Accuracy :** at 25°C 60%RH
- * **Dimension :** 140 x 49 x 29mm For Main Instrument & 83 x 54 x 26mm For Sensor Probe.
- * **Weight :** approx 210 g without battery.

ACCESSORIES : Users Manual, 9V Battery, Carrying case.

11 Functions 1 Ranges**Preliminary Data****RELATED PRODUCT :****DIGITAL BTU SOLAR POWER METER****Model - KM-SPM-11**

- * **Display :** 3½ Digits 1999 counts LCD Backlight display.

*** FUNCTIONS :**

- **Measuring Range :** 1999W/m², 634 BTU (ft²*h) .
- **Resolution :** 1W/m², 1BTU (ft²*h) ..
- **Accuracy :** <±3/ year
- **Accuracy :** Typically within ±10W / m² { ± 3BTU / (ft²*h)} or ±5%, whichever is greater in sunlight; Additional temperature induced error ± 0.38 W / m² / °C {±0.12BTU/ (ft²*h)/°C} from 25°C.
- **Angular Accuracy :** Cosine corrected <5% for angles <60°
- **Drift :** <±2% / per year
- **Sampling time :** Approx. 0.25second

*** SAFETY :**

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

*** ADDITIONAL FUNCTIONS :**

- End-mount light sensor.
- Select either power or transmission.
- Select either W/m² or BTU / (ft²*h) units
- Data Hold / MAX / Min modes.
- Stable for long use long time stability.
- Measurable light sources, including all visible light.
- Low Battery Indication & Auto Power Off.

* **Power supply :** Standard 9V battery.

* **Dimension :** 132(L) x 60(W) x 38(H)mm

* **Accessories :** User Manual, Battery & Carrying case.

All Specifications are subject to change without prior notice