

Gauge solar power

Mod. SPM-7

Cod. 33-101-255



SPM-7 THE GAUGE SOLAR POWER

SPM-7, is an instrument designed for measuring the level of sunlight. Ideal for use in the field of occupational photovoltaic systems or to control the levels of radiation in industrial or medical attention. The measure provided by the instrument is expressed in W/m^2 or $Btu (ft^2 h)$.

Applications

- **Recognition** of best angle of incidence during the installation of solar panels.

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- **Measure** of power filtering glass or solar screens.
- **Measure** of solar radiation
- **Measuring** the brightness of glass for cars.
- **Measurement** of solar transmission through films and transparent glass.

Features

- **Economic** easy to use and features a large LCD display for a clear display of data measure.
- **High-precision** measurement.
- **Possibility** of measuring the intensity of light sources.
- **Indication** of out of range with "OL".
- **Ability** to select the unit of measure in W/m^2 or $Btu (ft^2 h)$.
- **High** stability.



Electrical Specification	
Battery autonomy:	approximately 100 hours
Accuracy:	Typical within $\pm 10\text{W/m}^2$ [$\pm 3 \text{ BTU} / (\text{ft}^2 \text{ h})$] or $\pm 5\%$, subject to increase in full sunlight. Error caused by temperature $\pm 0.38\text{W/m}^2 / ^\circ \text{C}$ [$\pm 0.12 \text{ BTU} / (\text{ft}^2 \text{ h})$] / $^\circ \text{C}$] from 25°C
Temperature & humidity Operational:	$5^\circ \text{C} - 40^\circ \text{C}$, with humidity lower than 80%RH
Display:	Type LCD 31 / 2 digits with reading max 1999
Time sampling:	Approximately 0.25 sec.
Resolution:	$1\text{W/m}^2 - 1 \text{ BTU}/(\text{ft}^2 \cdot \text{h})$
Accuracy:	Guaranteed for a period of about 3 years
Overload:	The display shows the words "OL"
Range:	$1999\text{W/m}^2 - 634 \text{ BTU}/(\text{ft}^2 \cdot \text{h})$
Size and weight:	132 (L) x 60 (W) x 38 (H) mm, about 150g
EMC	Instrument meets the specifications EMC and compatible with EU standards EN61326 (1997) + A1 (1998) + A2 (2001)