

PVM210 Irradiance meter



- Optimal incident angle and positioning of solar panels
- Measurement of solar power for panel short circuit calculation
- 3¾ digit LCD display with 1999 W/m² range
- Single handed use
- Mini pocket size
- Standard camera mount fixing for accurate placement

DESCRIPTION

The Megger PVM210 provides the solar / photovoltaic engineer with a compact pocket size instrument that is easy to use.

Single handed operation is possible because the solar detector and meter being housed in one neat unit. This feature is ideal when using the instrument on a sloping roof or at the top of a ladder.

With the easy to read display and measurement hold feature the meter gives fast, accurate readings of solar power for initially choosing optimum position for the photovoltaic panel in addition the meter can provide the vital measurement for the calculation of short circuit current in conjunction with a suitable ammeter to verify the stated short circuit current provided by the manufacturer of the panel.

In addition to W/m² measurements, a selectable BTU (British Thermal Unit) measurement range is also featured.

To prolong battery life the PVM210 has an auto power off.

On the rear of the meter is a universal camera thread that allows mounting for precise readings if required. A protective pouch is included with each instrument.

SPECIFICATIONS

Display	3¾ digits LCD with maximum reading 3999
Range	1999 W/m² / 624 BTU/(ft²*h)
Accuracy	Typically within ± 10 W/m² (± 3 BTU/(ft²*h)) or $\pm 5\%$, whichever is greater in sunlight; Additional temperature induced error ± 0.38 W/m²/°C (± 0.12 BTU/(ft²*h)/°C) from 25 °C
Angular accuracy	Cosine corrected <5% for angles <60 °C
Accuracy	< $\pm 3\%$ per year
Resolution	0.1 W/m² / 0.1 BTU/(ft²*h)
Sampling time	Approx. 0.25 second
Over input	Display shows "OL"
Operating temperature	5 °C -40 °C, below 80% RH
Storage temperature	-10 °C -60 °C, below 70% RH
Weight	90 g
EMC	EN61326
Battery life	50 hr approx.
Auto off	15 min.
Batteries	2 x 1.5 V AAA / MN2400 / LR03

ORDERING INFORMATION

Item (Qty)	Cat. No.
PVM210 Irradiance meter; 1999 W/m²	1002-548
Included accessories	
Batteries	
Pouch	
Calibration certificate	

SALES OFFICE

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ISO 9001
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