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INSTRUMENTOS DE MEDICIÓN INDUSTRIAL

Medidor de Radiación Solar, Tenmars

TN-TM206

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TM-206 _ Solar Power Meter

- 3½ digits LCD display with maximum reading of 2000.
- Measuring the Solar radiation emitted by the sun.
- Display units: W/m² (Watts per square meter) or BTU.
- Data Hold/ MAX/MIN functions.

Product Character

TM-206 Solar Power meter is ideal for the measurement of the solar radiation that is emitted by the sun from a nuclear fusion reaction that creates electromagnetic energy.

The spectrum of solar radiation is close to that of a black body with a temperature of about 5800 K. About half of the radiation is in the visible short-wave part of the electromagnetic spectrum. The other half is mostly in the near-infrared part, with some in the ultraviolet part of the spectrum.

The units of measure are Watts per square meter or BTU, the typical test and measuring applications are:

- Meteorology applications
- Agriculture applications
- Physics and optical laboratories
- Solar radiation measurement.
- Solar transmission measurement
- Solar power research
- Identify high performance windows
- Helpful to set up Solar PV Panels at optimum angles of incidence
- Light Intensity Measurement for the car windows

Specification

Display	3 1/2 digits. Max. indication 2000
Range	2000W/m ² , 634 BTU (ft ² *h)
Resolution	0.1W/m ² , 0.1 BTU (ft ² *h)
Accuracy	Typically within ±10 W/m ² 【±3 BTU (ft ² *h)】 or ±5%, whichever is greater in sunlight ; additional temperature induced error ±0.38 W/m ² /°C 【±0.12 BTU (ft ² *h) /°C】 from 25°C

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