

Solar Power Meter



TES-132 Solar Power Meter (Datalogging)

Product Features

- Wide spectral range.
- Excellent long term stability.
- Cosine corrected.
- Automatic transmission measurements.
- Select either power or transmission.
- Solar energy measurement.
- User calibration factor setting function.
- Select either W/m² or Btu / (ft² x h) units.
- Data Hold/MAX/MIN/AVG modes.
- Auto Data Memory function. (microSD CARD 2GB)
- Data Memory and Read function. (99 sets)
- Software and USB interface to PC.

Specification Application Download

Display	LCD display, 4 digit LCD reading
Range	200.0 W/m ² ,2000 W/m ² 63.4 Btu/(ft ² x h) , 634 Btu / (ft ² x h)
Resolution	0.1 W/m ² , 1 W/m ² 0.1 Btu/(ft ² x h) , 1 Btu / (ft ² x h)
Spectral response	400 to 1000nm
Accuracy	Typically within ± 10 W/m ² [± 3 Btu / (ft ² x h)] or $\pm 5\%$, whichever is greater in sunlight ; Additional temperature induced error ± 0.38 W/m ² /°C [± 0.12 Btu / (ft ² x h)/°C] from 25°C
Angular accuracy	Cosine corrected <5% for angles < 60°
Drift	< $\pm 2\%$ per year
Calibration	User recalibration available
Over-Input	Display shows "OL"
Sampling Rate	1 times/sec
Manual Data Memory and Read	99 sets
Auto Data Memory	microSD CARD 2GB
Battery	6 pcs 1.5V size AAA
Battery Life	Approx. 50 hours
Operating Temp and Humidity	0°C to 50°C (32°F to 122°F) below 80%RH
Storage Temp and Humidity	-10°C to 60°C below 70%RH
Dimension & Weight	150(L)x72(W)x35(H) mm / Approx. 320g
Accessories Included	Operation Manual, 6 pcs 1.5V size AAA, USB Cable, CD software

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