

TES-132 Solar Power Meter (Datalogging)

- ☐ 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/m^2 or Btu / ($ft^2 \times h$) units.
- ☐ Data Hold/MAX/MIN/AVG modes.
- ☐ Auto Data Memory function. (43000 sets)
- ☐ Manual Data Memory function. (99 sets)
- ☐ Software and USB interface to PC.





Reliable in Quality

132 Datalogging Solar Power Meter

FEATURES

- ☐ Wide spectral range.
- ☐ Excellent long term stability.
- ☐ Cosine corrected.
- ☐ Automatic transmission measurements.
- ☐ Select either power or transmission.
- ☐ Solar energy measurement.
- ☐ Current time setting function.
- ☐ User calibration factor setting function.
- ☐ End-mount light sensor.
- ☐ Select either W/m² or Btu / (ft² x h) units.
- ☐ Data Hold/MAX/MIN/AVG modes.
- ☐ Auto Data Memory function. (43000 sets)
- ☐ Manual Data Memory function. (99 sets)
- ☐ Software and USB interface to PC.

APPLICATIONS

- ☐ Meteorology.
- ☐ Agriculture.
- ☐ Solar radiation measurement.
- ☐ Solar power research.
- ☐ Physics and optical laboratories.
- ☐ Solar transmission measurement.
- ☐ Identify high performance windows.

SPECIFICATIONS

Display	LCD display, 4 digit LCD reading
Range	2000 W/m ² 634 Btu / (ft ² x h)
Resolution	0.1 W/m ² 0.1 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	4 times/sec
Manual Data Memory and Read	99 sets
Auto Data Memory	43000 sets
Battery	6 pcs 1.5V size AAA
Battery Life	Approx. 200 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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