

TES-1333/TES-1333R Solar Power Meter

FEATURES:

Wide spectral range.
Excellent long term stability.
Cosine corrected.
Automatic transmission measurements.
Select either power or transmission.
Solar energy power or transmission.
Current time setting function.

User calibration factor setting function.
End-mount light sensor.
Select either W/m² or Btu / (ft²*h) units
Data Hold / MAX / AVG modes.
Data Memory and Read function. (99 sets.)
Auto Data memory and RS232 interface to PC. (TES-1333R)



APPLICATIONS

Meteorology
agriculture
solar radiation measurement
solar power research

physics and optical laboratories
solar transmission measurement
identify high performance windows

SPECIFICATION:

Display	3-1/2 digits.Max.indication1999
Range	2000W/m ² 634Btu/(ft ² * h)
Resolution	1W/m ² 1Btu/(ft ² *h)
Spectral response	400-1100nm
Accuracy	Typically within $\pm 10\text{W/m}^2$ [$\pm 3 \text{ Btu} / (\text{ft}^2 \cdot \text{h})$] or $\pm 5\%$, whichever is greater in sunlight; Additional temperature induced error $\pm 0.38\text{W/m}^2$ / [$\pm 0.12 \text{ Btu} / (\text{ft}^2 \cdot \text{h})$] from 25
Angular accuracy	Cosine corrected <5% for angles <60 °
Drift	< $\pm 2\%$ / per year
Calibration	User recalibration available
Over-input	Display shows" "
Sampling Time	Approx. 0.4 second
Manu data memory and read	99 sets
Auto data memory	32000 sets (TES-1333R)
Battery	4pcs size AAA
Battery Life	Approx. 100 hours
Operating temp and humidity	0 to 50 below 80%RH
Storage temp and Humidity	-10 to 60 below 70% RH
Weight	Approx. 165g
Dimension	111(L)*64(W)*34(H)mm
Accessories	Carrying Case, Operation Manual, 4 pcs size AAA, RS232 cable(for TES-1333R), CD software (For TES-1333R)

MADE IN TAIWAN