

TES-1333/1333R 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 (TES-1333)
 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	0.1W/m ² 、1Btu/(ft ² *h)
Spectral response	400-1100nm
Accuracy	Typically within ± 10W/m ² [±3 Btu / (ft ² *h)] or ±5% , whichever is greater in sunlight; Additional temperature induced error ±0.38W/m ² / °C [±0.12 Btu / (ft ² *h)/ °C] from 25°C
Angular accuracy	Cosine corrected <5% for angles <60 °

Drift	<±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 °C to 50 °Cbelow 80%RH
Storage temp and Humidity	-10 °C to 60 °C below 70% RH
Weight	Approx. 165g
Dimension	111(L)*64(W)*34(H)mm
Accessories	Carrying Case, Operation Manual, 4 pcs size AAA, RS-232 cable (for TES-1333R), CD software (For TES-1333R)