

# 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/m<sup>2</sup> or Btu / (ft<sup>2</sup>\*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

<b>Display</b>	3-1/2 digits. Max.indication 1999
<b>Range</b>	2000W/m <sup>2</sup> 、 634Btu/(ft <sup>2</sup> * h)
<b>Resolution</b>	1W/m <sup>2</sup> 、 1Btu/(ft <sup>2</sup> *h)
<b>Spectral response</b>	400-1100nm
<b>Accuracy</b>	Typically within ± 10W/m <sup>2</sup> [ ±3 Btu / (ft <sup>2</sup> *h) ] or ±5% , whichever is greater in sunlight; Additional temperature induced error ±0.38W/m <sup>2</sup> / °C [ ±0.12 Btu / (ft <sup>2</sup> *h)/ °C] from 25°C
<b>Angular accuracy</b>	Cosine corrected <5% for angles <60 °
<b>Drift</b>	<±2% / per year

<b>Calibration</b>	User recalibration available
<b>Over-input</b>	Display shows"  "
<b>Sampling Time</b>	Approx. 0.4 second
<b>Manu data memory and read</b>	99 sets
<b>Auto data memory</b>	32000 sets (TES-1333R)
<b>Battery</b>	4pcs size AAA
<b>Battery Life</b>	Approx. 100 hours
<b>Operating temp and humidity</b>	0 °C to 50 °C below 80%RH
<b>Storage temp and Humidity</b>	-10 °C to 60 °C below 70% RH
<b>Weight</b>	Approx. 165g
<b>Dimension</b>	111(L)*64(W)*34(H)mm
<b>Accessories</b>	