



# Solar Power Meter

## Model: TES-1333



### 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/m<sup>2</sup> or Btu / (ft<sup>2</sup> x h) units.
- Data Hold/MAX/MIN/AVG modes.
- Data Memory and Read function. (99 sets)
- Auto Data Memory and interface to PC.

### Specifications:

- Display: 3-1/2 digits. Max. indication 1999
- Range: 2000 W/m<sup>2</sup>, 634 Btu / (ft<sup>2</sup> x h)
- Resolution: 1 W/m<sup>2</sup>, 1 Btu / (ft<sup>2</sup> x h)
- Spectral response: 400-1100nm
- Accuracy: Typically within  $\pm 10$  W/m<sup>2</sup> [ $\pm 3$  Btu / (ft<sup>2</sup> x h)] or  $\pm 5\%$ , whichever is greater in sunlight ; Additional temperature induced error  $\pm 0.38$  W/m<sup>2</sup>/degree C [ $\pm 0.12$  Btu / (ft<sup>2</sup> x h)/degree C] from 25 degree C
- Angular accuracy: Cosine corrected <5% for angles < 60°
- Drift: <  $\pm 2\%$  per year
- Calibration: User recalibration available
- Over-Input: Display shows "OL"
- Sampling Time: Approx. 0.4 second
- Manual Data Memory and Read: 99 sets

- Auto Data Memory: 32000 sets (TES-1333R)
- Battery: 4 pcs size AAA
- Battery Life: Approx. 100 hours
- Operating Temp and Humidity: 0 to 50 degree C (32 to 122 degree F) below 80%RH
- Storage Temp and Humidity: -10 to 60 degree C below 70%RH
- Weight: Approx. 165g
- Dimension: 10.8 × 6.3 cm
- Accessories: Included Operation Manual, 4 pcs size AAA, Bag

### **Applications:**

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



*Made in Taiwan*