



MTPV33 Solar Power Meter

Harness the power of the sun with confidence and unleash the full potential of your solar power systems with the MTPV33 Solar Energy Tester. Engineered for precision and reliability, this state-of-the-art device provides the critical data you need to optimize performance and maximize efficiency. The MTPV33 Solar Energy Tester is an essential tool for solar panel installers, researchers, and maintenance professionals. With exceptional accuracy, ease of use, and a robust design, it ensures your solar power systems perform at their best. Equip yourself with the MTPV33 Solar Energy Tester and elevate your solar projects to the next level. The MTPV33 also features a Compass function, and an Inclination Function. Proper alignment is crucial for optimizing energy output, and these built-in functions allow you to accurately determine the perfect orientation of your solar panels. By combining precise solar power readings with directional guidance, the MTPV33 not only measures performance but also helps you enhance it. Make informed adjustments and achieve peak efficiency with this versatile and powerful tool.

Features

- High Accuracy: Measures solar power with an accuracy of $\pm 5\%$ + 5 Digits of the reading.
- Wide Measurement Range: Capable of measuring from 50 to 1400 W/m².
- Easy-to-Read Display: Large LCD screen for clear and quick readings.
- Data Hold Function: Freeze the display reading for convenient recording.
- Min/Max Memory: Tracks minimum and maximum values for comprehensive monitoring.
- Compass and Inclination Function: Integrated compass, and inclination function, to accurately determine the ideal position for solar panels.
- Compact and Portable: Lightweight design for ease of use in various locations.
- User-Friendly Interface: Simple controls for intuitive operation.
- Durable Build: Designed to withstand field conditions.
- Battery Powered: Operates with standard 4 x AA batteries for convenience.



Function	Range
Irradiance	50 to 1400 W/m ²
Irradiance Resolution	1 W/m ²
Irradiance Accuracy	$\pm(5\% + 5 \text{ Digits})$
Temperature	Tester: 10°C to 50°C Probe: 30°C to 100°C
Temperature Resolution	0.1°C
Temperature Accuracy	$\pm 1.5^\circ\text{C}$ @ -10°C to 75°C $\pm 2^\circ\text{C}$ @ -30°C to -10°C $\pm 2.5^\circ\text{C}$ @ 75°C to 100°C
Inclination Angle	-90° to +90°
Inclination Angle Resolution	0.1°
Inclination Angle Accuracy	$\pm 3^\circ$
Compass	0° to 360°
Compass Resolution	1°
Batteries	4 x AA
Dimensions	172 x 72 x 36mm
Weight	286g



Large LCD Simultaneously Displays Measurements



Temperature Sensor on the Back of Meter & On the Probe



50 to 1400 W/m² Photovoltaic Irradiance Sensor

MTPV33 | Solar Power Meter

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