



Solar Meter

Solar Meter MS-01 and MS-02 are handy units for PV and Solar thermal power plant installation test and irradiance measurement for site evaluation.

Main Features:

- Sturdy and light body provides handy and use-friendly operation for irradiance measurement.
- Suitable for both Photovoltaic and Solar Thermal Power systems.
- Irradiance measurement is compliance with International Standard IEC 62446.
- Azimuth angle and slope angle of solar panel can be measured.
- Both panel back surface temperature and ambient temperature can be measured.
- Wireless communication is available with Array Tester MP-01
- Data logging function and USB connection to PC are also available.

Suitable for system installation tests with sturdy and light weight portable unit, which can measure irradiance, ambient temperature, panel slope angle, azimuth angle, and back surface temperature of solar panel.

Solar Meter MS-02 is the advanced type of MS-01 and has functions of wireless communication with Array Tester MP-01 and data logging. The wireless communication makes it possible to record both the environmental condition, such as irradiance, ambient temperature, and panel back surface temperature, and the electrical characteristics at the time of installation test.

By using the report preparing software, report complied to international standard IEC 62446 from the Array Tester MP-01 data can be easily produced. Also the Solar Meter MS-02 can be connected to PC via USB cable and data acquired at desired time interval can be analyzed.

Irradiance measurement can be taken easily and quickly which provides time savings for the installation tests.

It also has function to hold the display by using the "HOLD" button.



Specification

Irradiance	Display Range	100 ~ 1500 W/m ²
	Measurement Range	100 ~ 1250 W/m ²
	Resolution	1W/m ²
Temperature	Display Range	-30°C ~ +125°C
	Measurement Range	-30°C ~ +125°C
	Resolution	1°C
Direction	Display Range	0° ~ 360°
	Measurement Range	0° ~ 360°
	Resolution	1°
Slope	Display Range	0° ~ 90°
	Measurement Range	0° ~ 90°
	Resolution	1°
Data Log Function & Communication (MS-02 Only)	Memorable Data Quantity	5000
	Sampling Interval	1~60分 (can be setup by user)
	Software	Custom Software attached
	PC Connection	By USB cable
	Wireless Connection with Array Tester MP-01	Communication Range: 30m/98ft
General Specifications	Display	Custom LCD
	Power Supply	AA Alkaline Batteries (2pcs)
	Battery Life	Measurements >20,000 times
	Automatic Power Shut Down	After 2 minutes

Other Optional Items

- Array Tester MP-01
- Report Preparing Software
- Clamp
- Certificates