MS-01 Sensor

Technical Specifications

Robust handheld solar irradiance meter

Measures irradiance, ambient and module temperature

Built-in compass and inclinometer

Dual channel temperature measurement

Measures irradiance as required by IEC 62446

The MS-01 is a practical handheld readout device for irradiance measurements, with a built-in inclinometer to measure roof pitch, a compass to measure roof orientation and thermometer to measure ambient and module temperature.

The MS-01 handheld solar irradiance meter is the perfect instrument for solar photovoltaic (Solar PV) and solar thermal installers to conduct comprehensive solar PV site surveys.

The MS-01 is a high specification, user-friendly irradiance meter that allows for quick and easy irradiance measurements, displaying the information in either W/m2 or BTU/hr-ft2. The ideal solution for both solar photovoltaic (Solar PV) and solar thermal applications.

The use of a photovoltaic reference cell provides a more representative measurement of solar energy and greater accuracy and repeatability compared to irradiance meters which use simple photodiode detectors. The MS-01 and MS-02 irradiance meters both incorporate a display hold feature, which enables the user to easily capture readings in difficult locations.

	MS-01
Irradiance Display Range	0 - 1500 W/m2
Irradiance measurement range	100 - 1250 W/m2
Irradiance Resolution	1 W/m2
Temperature display range	-30 - 125 ºC
Temperature measurement range	-30 - 125 ºC
Temperature resolution	1 ºC
Compass bearing display range	0 - 360 º
Compass bearing measurement range	0 - 360 º
Compass bearing resolution	1 º
Inclinometer display range	0 - 90 º
Inclinometer measurement range	0 - 90 º
Inclinometer resolution	1 º
Power supply	2 x AA batteries
Battery life	> 20.000 readings

Specifications are subject to change without further notice.