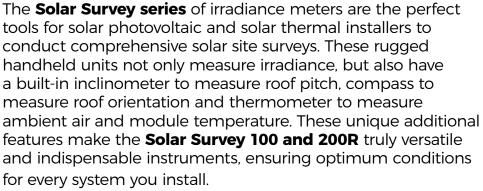
The ultimate solar site-survey tool.







The **200R** can wirelessly connect to the PV150/PV200/PV210 and Solar Utility Pro to give real-time irradiance, ambient temperature and PV module temperature measurement results simultaneously with the electrical tests being conducted, as required by the IEC 62446 international standard. All test results can then be downloaded from the PV150/PV200/PV210 and Solar Utility Pro to the relevant PC software.

The **Solar Survey 200R** model also includes a data logging facility with USB interface for data download to a PC. This allows for irradiance and temperature to be recorded at user-defined intervals over a number of hours or days, the collected data can then be downloaded to a PC for analysis of for inclusion in installation reports.





Why buy the SS100 or SS200R?

- Measurement functions

 Irradiance, temperature,
 compass bearing and
 inclination.
- Display options for photovoltaic or thermal applications.
- > Compliant with IEC 62446.
- Wireless connection

 to other Seaward PV
 instruments (PV200 only).
- Data logger store and download to PC (200R only).



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- > Solar Survey 100 or 200R irradiance meter.
- > Temperature sensor.
- > USB Cable (200R only)
- > Quick Start Guide.
- > Calibration Certificate.

Built-in compass and inclinometer to measure roof

> Measure irradiance and display in

ft2 for thermal applications.

> Supplied with suction mount

free ambient and surface

Survey 200R only).

temperature probe for hands-

temperature measurement (Solar

W/m2 for photovoltaic or BTU/hr-

Key Features:

- orientation and pitch.
- > 200R can wirelessly connect to the PV150/PV200/PV210 and Solar Utility Pro (available separately).
- Built-in data logger and USB interface (Solar Survey 200R model only).
- > Rugged, robust and handheld.
- Optional mounting bracket for accurate and easy measurements.

Optional Accessories:

> Solar Survey 200R mounting bracket











The ultimate solar site-survey tool.



Comparison Chart:

	SS100	SS200R
IEC 62446 compliant	•	•
Irradiance measurement (using solar reference cell)	•	•
Compass function	•	•
Roof pitch measurement	•	•
Ambient temperature	•	•
PV module temperature		•
Data logging function		•
Wireless connectivity		•

Technical Specification:

Irradiance

Display Range 100 - 1500 W/m2 or 30 - 500 BTU/hr-ft2

Measurement Range 100 - 1250 W/m2 or 30 - 400 BTU/hr-ft2

Resolution 1 W/m2 or 1 BTU/hr-ft2

Temperature

Display Range $-30^{\circ}\text{C to } +125^{\circ}\text{C}$ Measurement Range $-30^{\circ}\text{C to } +125^{\circ}\text{C}$

Resolution 1

Compass Bearing

Display Range 0° to 360° Measurement Range 0° to 360°

Resolution 1°

Inclinometer

Display Range 0° to 90°

Measurement Range 0° to 90°

Resolution 1°







The ultimate solar site-survey tool.



General Specification:

Instrument Dimensions and Weight

Weight 0.25kg / 0.6lb

Dimensions 14.8 x 8.0 x 3.3cm / 5.8 x 3.2 x 1.3"

Display Custom LCD

Power Source 2 x AA Alkaline Batteries

Battery Life >20,000 Readings

Auto power down After 2 minutes (unless in transmit mode)

Onboard memory Datasets 5000 (Survey 200R only)

Connectivity (Survey 200R only)

Sample Rate 1 to 60 minutes (user definable)

Connectivity USB download to PC (using free DataLogger -

available online)

Wireless connection to PV150/PV200/PV210/Solar

Utility Pro (range c. 30m/100 ft)

Frequency 433MHz (Rest of World)/ 915MHz (US)

Service

2 year warranty (subject to terms and conditions, available at www.seawardsolar.com/warranty

Part Numbers:

Solar Survey 100 - 396A910 Solar Survey 200R (433MHz) ROW version - 396A914 Solar Survey 200R (915MHz) US version - 396A916





