

Survey 100 / 200

Irradiance Meter



Quick reference guide



Schnellanleitung



Guía de consulta rápida



Guide de Prise en main rapide



Guida rapida



Important Information

Read these operating instructions before using this instrument.

This equipment should only be used by suitably trained personnel.

The Solar Survey is intended for use in a dry environment only.

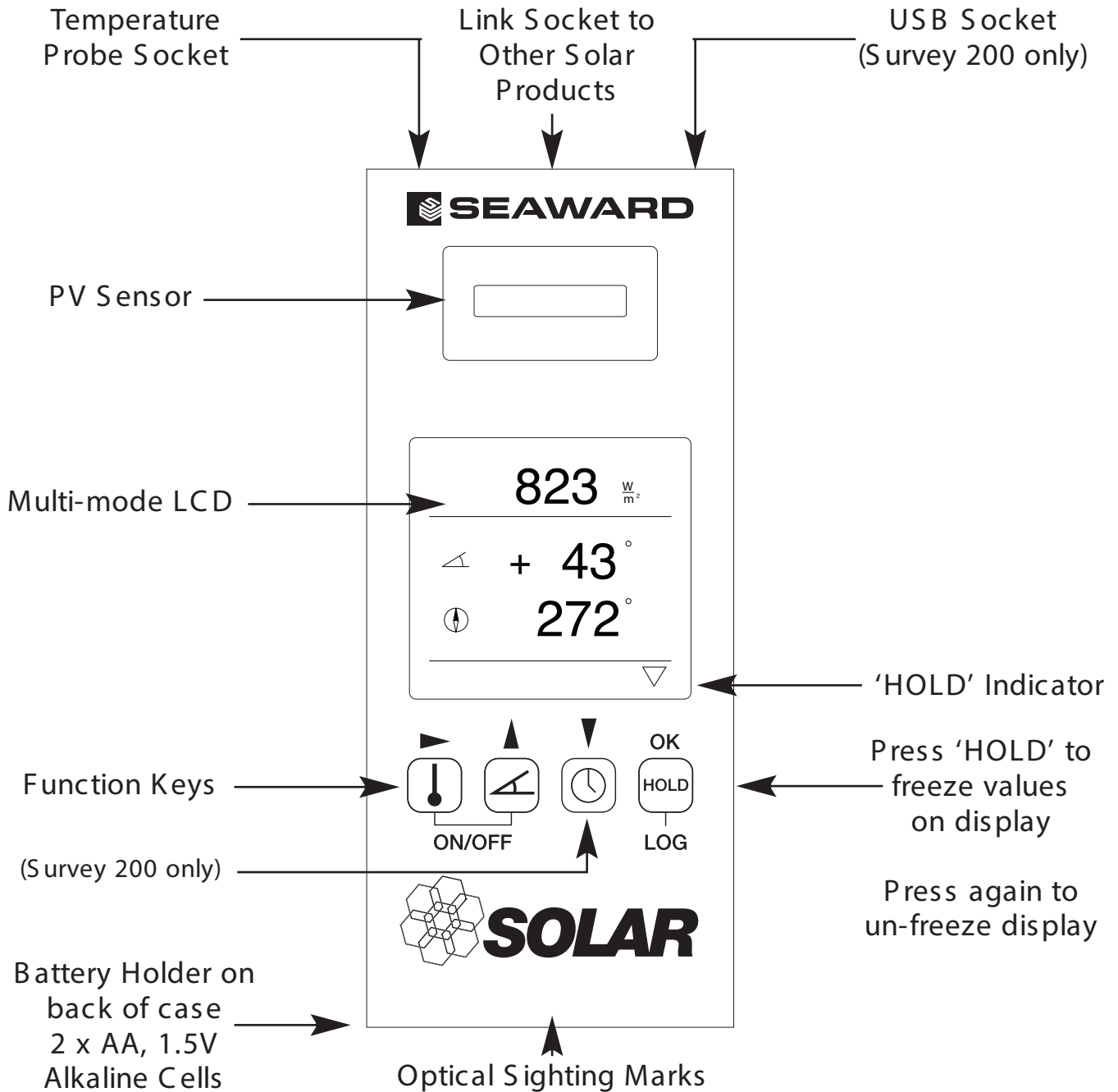
Check the Solar Survey 100/200 and all associated cables and leads before operating the equipment. Do not use if there are signs of damage.



Only use the connecting leads & temperature probes supplied with the Solar Survey 100/200.

Use 2x 1.5V AA Cells - these may be Alkaline or rechargeable NiCd or NiMH.



Overview



Press   to turn power on/off.

Meter always powers up in ANGLE Mode.

Power will turn off automatically if no key is pressed for 120s.



Irradiance with Compass & Tilt Measuremen

Title Angle

Place meter against surface to be measured or use optical sights to align with roof slope

Magnetic Bearing

Point meter in direction required

Press  to select Compass/Tilt Mode

Compass

Keep meter away from metallic objects – these can influence reading.

Keep the meter horizontal – tilting more than $\pm 20^\circ$ will blank the bearing display (---).

User Adjustment of TILT Function

Place meter on a flat surface.

Press  >5s - display will flash 'Z'.

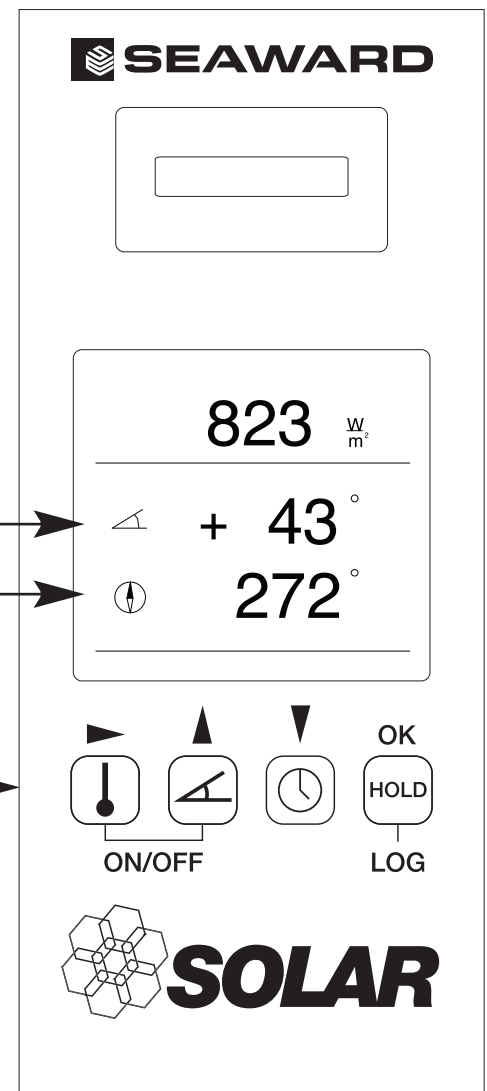
Press  to store '+ SET' value.

Turn meter through 180° .

Press  to store '- SET' value.

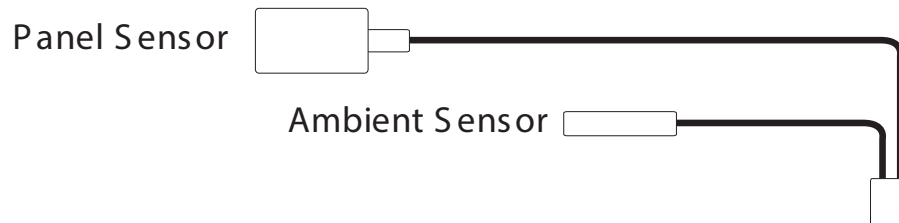
Meter will display 'Z' to show user zero is enabled.

To clear this, press  for >5s - 'Z' will clear.





Irradiance and Temperature Measurement



Irradiance



Panel Temperature



Ambient Temperature






Press  to select Temperature Mode



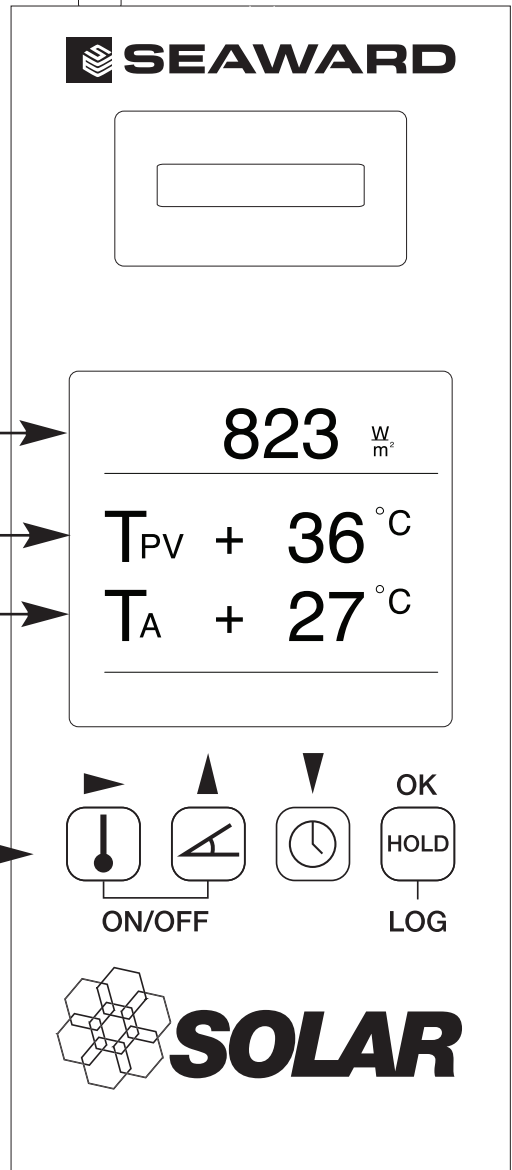
To Change Display Units

Press  >5s.

Use  to select temperature or irradiance units (flashing).

Use  or  to toggle units (C or F), (W/m² or BTU/hr-ft²).

Press OK to save.





Time & date (Survey 200 only)

24 Hour Clock (hh:mm)

Date (dd/mm)

Year

Press  to select Time/Date Mode

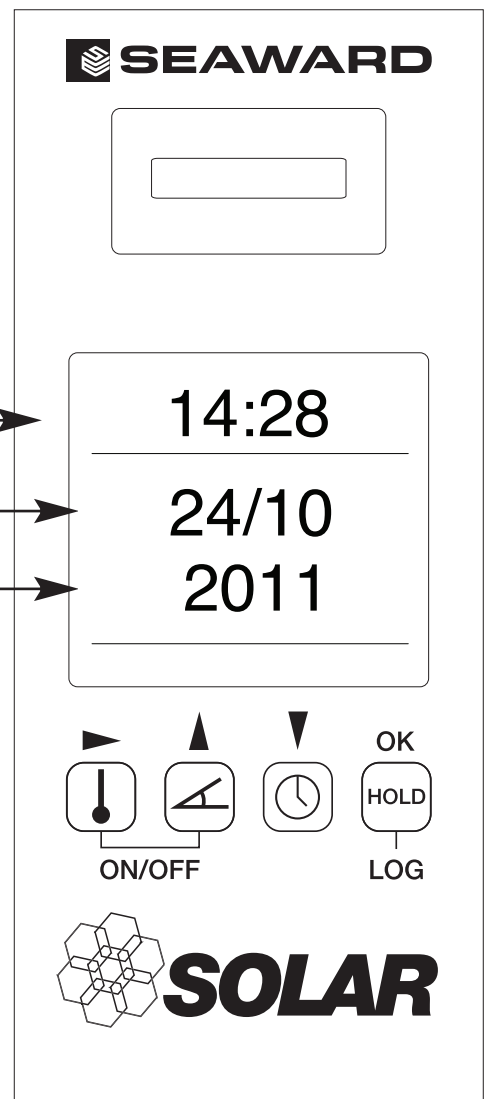
To set Time & Date

Press  >5s – display will flash hours value.

Use  to select date/time fields (flashing).

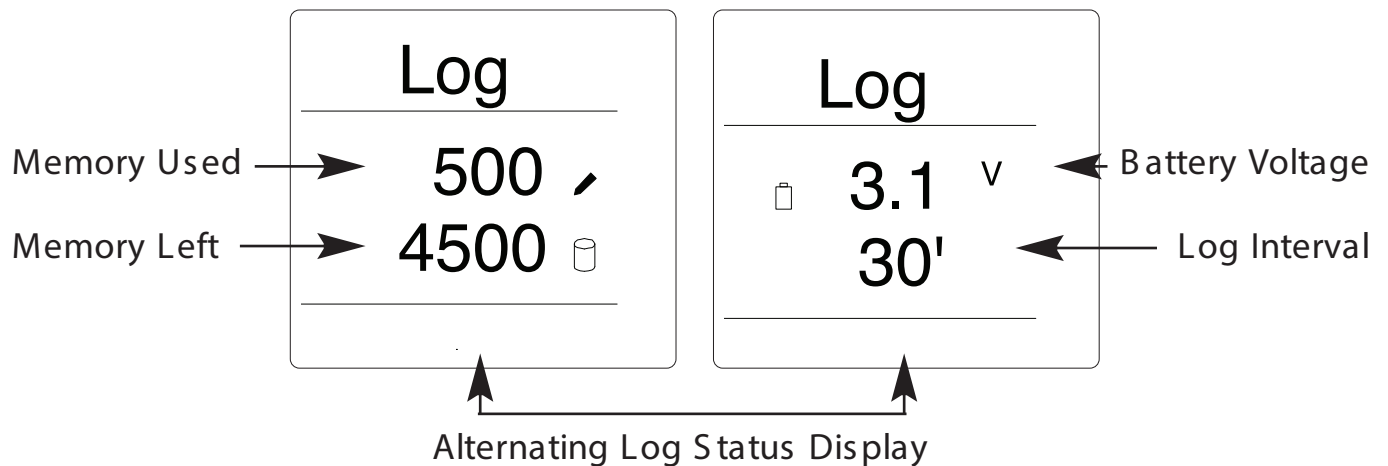
Use  &  to increase/decrease value.

Press OK to save.





Datalogging (Survey 200 only)



Log Setup

Press HOLD >5s to display Log Status.

Press HOLD >5s to display Log Interval in minutes.

Use ▲ & ▼ to increase/decrease value.

Press ► to display Data Store Mode.

Use ▲ & ▼ to select STOP (when memory full) or, ROLL for data to overwrite memory from start.

Press ► to display Delete option.

Use ▲ & ▼ to select YES or NO.

Press OK at anytime to save & exit Log Setup.

Start Data Logging

Press HOLD >5s to display Log Status.

Press LOG, then OK to confirm RUN.

Meter will enter SLEEP mode between measurements to conserve battery power.

Check Logging Progress

Press any key to display Log Status.

Display automatically blanks after a few seconds.

Stop Data Logging

Press any key to display Log Status.

Press LOG, then OK to confirm STOP.



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