



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 PV100 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.

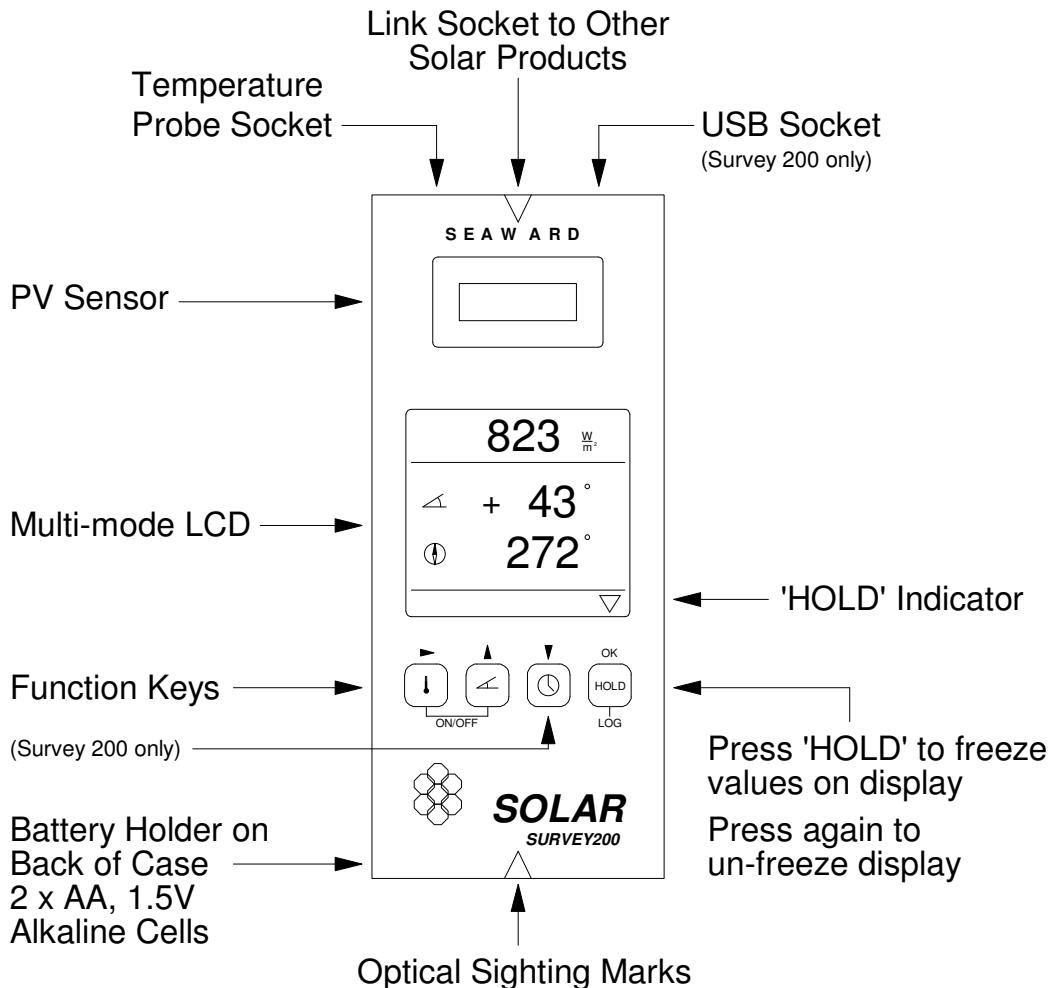
Use 2x 1.5V AA Cells - these may be Alkaline or rechargeable NiCd or NiMH.

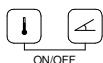
FCC

This device complies with Part 15 of the FCC Rules. Operation is subject to the following 2 conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution: Changes or modifications to the Solar Survey 200R not expressly approved by Seaward could void your authority to operate it.

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 and Tilt Measurement

Tilt 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 +/-20° will blank the bearing display (---)

User Tilt Zero Calibration

Place meter on a flat surface

Press  >5s - display will flash 'Z'

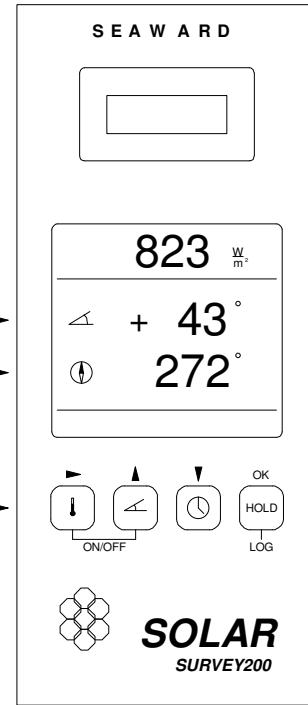
Press  to store '+' SET' value

Turn meter through 180°

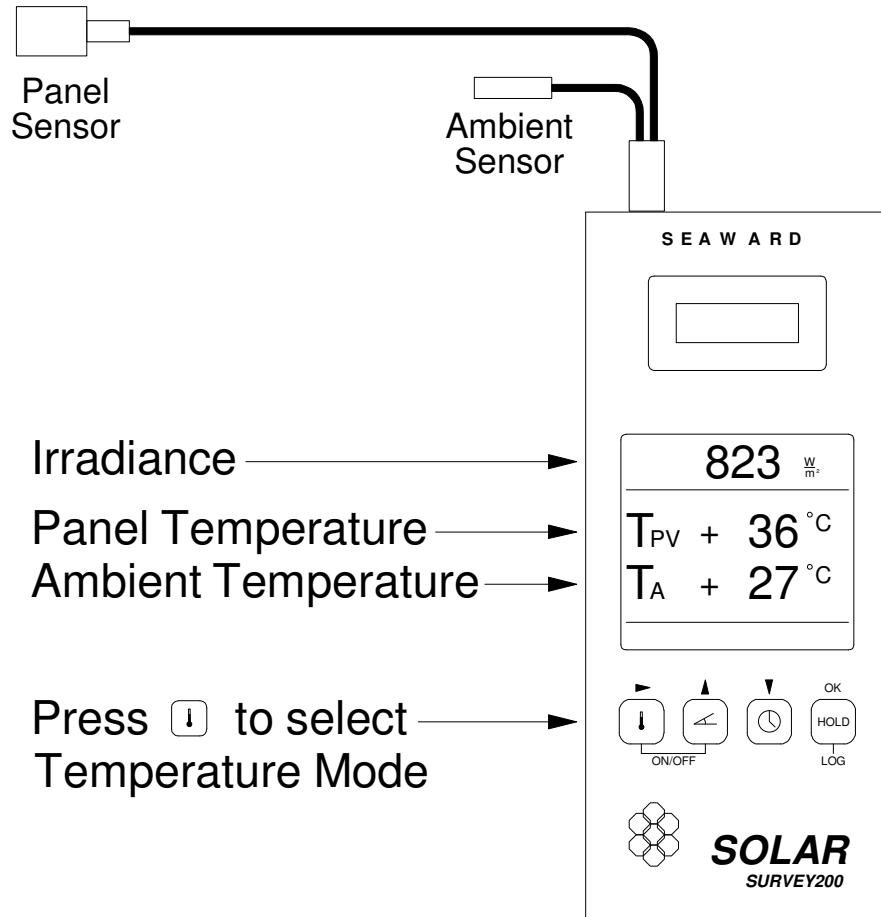
Press  to store '-' SET' value

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

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



Irradiance and Temperature Measurement



To Change Display Units

Press **I** >5s

Use **►** to select temperature or irradiance units (flashing)

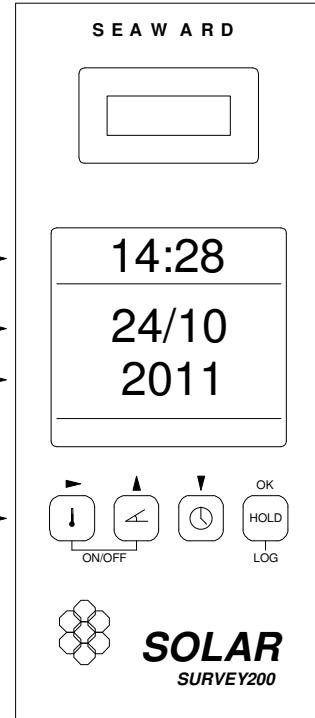
Use **▲** or **▼** to toggle units ($^{\circ}\text{C}$ or $^{\circ}\text{F}$), (W/m^2 or $\text{BTU}/\text{hr}/\text{ft}^2$)

Press OK to save

Time & Date (Survey 200 only)

24 Hour Clock (hh:mm) →
Date (dd/mm) →
Year →

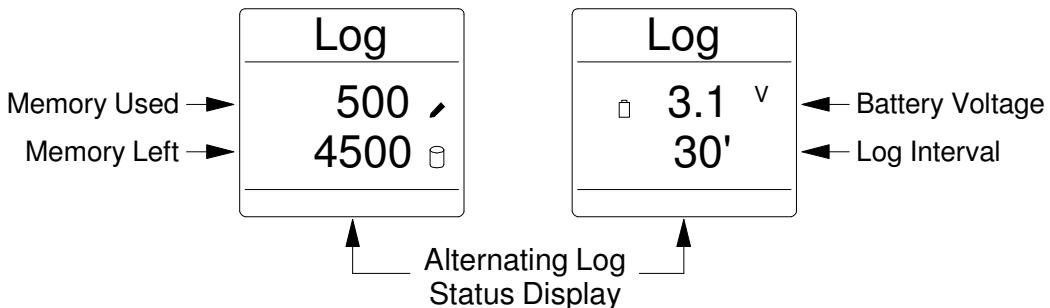
Press  to select
Time/Date Mode



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 any time 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