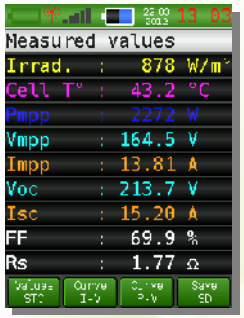
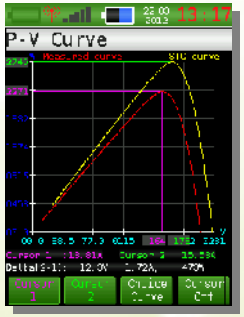
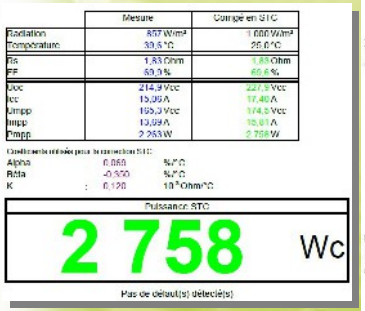
5 Measurement analysis

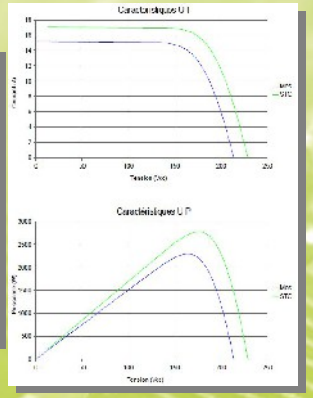




Once the measurement has been taken, you can display the results and use the various menus offered by your SOLIAMETRE.
→ Display the graph and values corrected for STC to detect any faults.
→ Use the U-I Max and Voltage Drop menus to ensure that your installation is properly dimensioned.

6 Export and measurement report





The files saved on the SD card can be recovered via an application. By opening the "PVSoliametre" file and importing the TESTFILE.txt file in the root of the SD card, you can access and sort all your measurements, then automatically produce a fully-customisable report.

7 Other services

Need a specific connector or different type of measuring cell?
We can meet your requirements.

Need a comprehensive training course?
SOLIA Concept can train you in the comprehensive use of your

SOLIAMETRE

Contact us for more information!

SOLIAMETRE

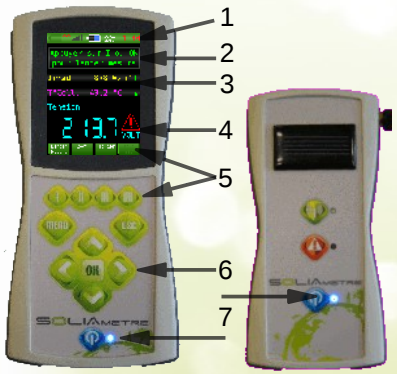
Control device for photovoltaic installations and modules

Quick start guide

SOLIA CONCEPT

www.solia-concept.fr

1 Presentation and initial use



Main box Sensor box

1. Status bar
2. Message banner
3. Irradiation and temperature of the cell
4. Voltage
5. Function buttons
6. Directional arrows
7. "Power" buttons and status LED

→ To switch on or off, keep the "power" button pressed.

→ If the SOLIAMETRE puts itself on standby (screen off and status LED flashing), press the "power" button briefly to wake it up.

→ To access the various menus, press the "menu" button.

→ The function buttons are specific to each menu and activate different shortcuts or tools.

→ Remember to insert the SD card so that you can save your measurements.

See the manual for more details on the use of your SOLIAMETRE.

All the files and documents are present on the SD card at delivery. Remember to back them up!

2 Installing the sensor box

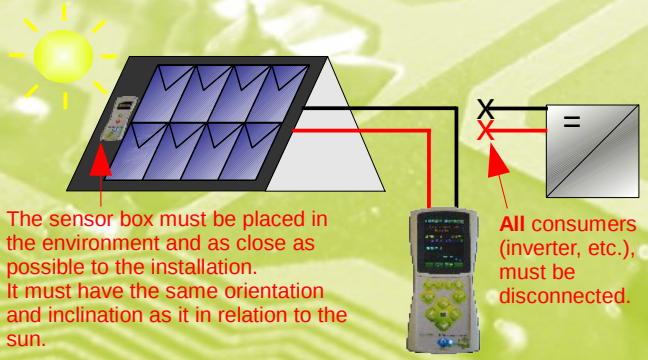
The sensor box measures **the irradiance** received by your installation and the **temperature of the cell** in its environment.

It must be installed **as near as possible to the panels and in** their environment. For this, remember to use the universal clamp that is supplied.

It must have the same orientation and inclination as the panels in relation to the sun without creating shadows.

3 Connecting the main box

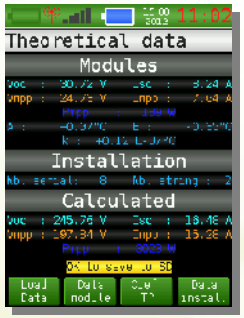
To take a measurement, any type of consumer, such as an inverter, must be disconnected from the installation.



Once all consumers have been disconnected, the installation or the photovoltaic module may be connected to the SOLIAMETRE.

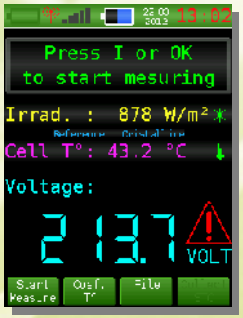
Take care with the polarity !
Max: 1000V – 24A – 6kW instantaneous.

4 First measurement



To make corrections in STC and show the theoretical values, you must enter the characteristics of the module and installation measured with the menu "theoretical data".

The modules characteristics are given in manufacturers documentations.



Once connected, the voltage appears on the screen. **When the message banner tells you,** you can start taking a measurement.

When the measurement is finished **a summary screen gives you the results** of the measurement and tells you whether any faults were detected on the measured characteristic graph.

Remember to save your measurements via the "Save measurement" menu. You can enter a name and a description to identify them.