

Install the batteries

Remove the green bottom lid of the clamp sensor.



Place the battery with the - pole facing down.



Replace the green bottom lid.

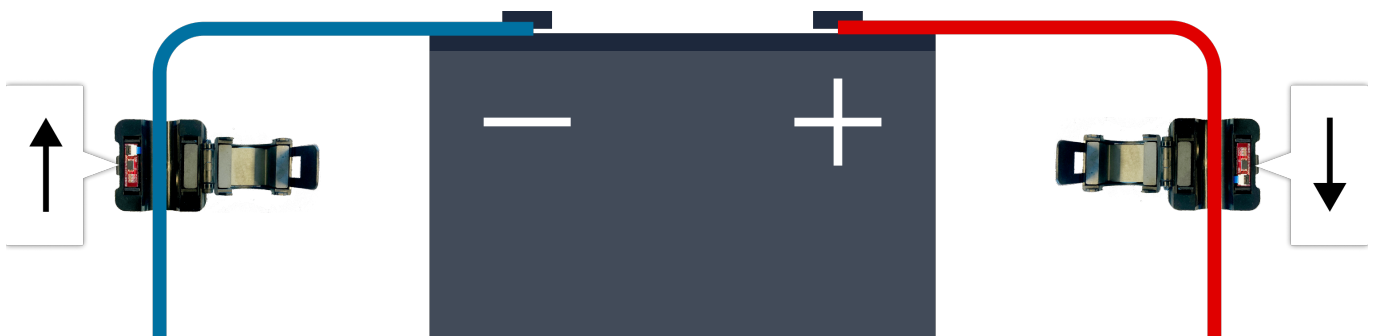


Install in the machine

This sensor is for direct current (DC) measurements only.

Open the machine, locate the battery and identify the plus and minus poles. Attach the sensor to one of the cables connected to the plus or the minus pole of the battery. Only one sensor is needed and it does not matter which cable you choose. Make sure the sensor is installed with the correct orientation:

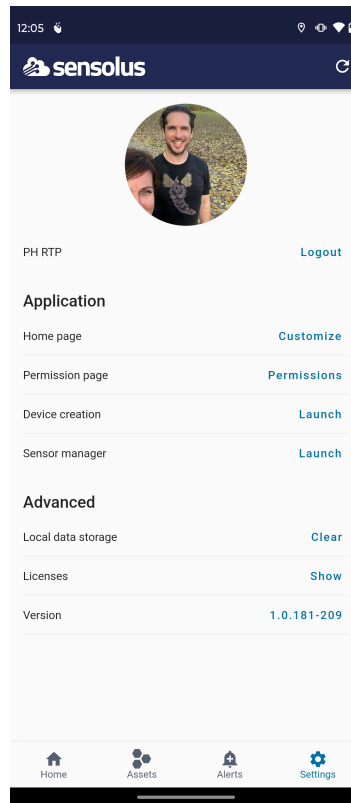
- Minus pole wire: The arrow on the sensor points towards the battery
- Plus pole wire: The arrow on the sensor points away from the battery



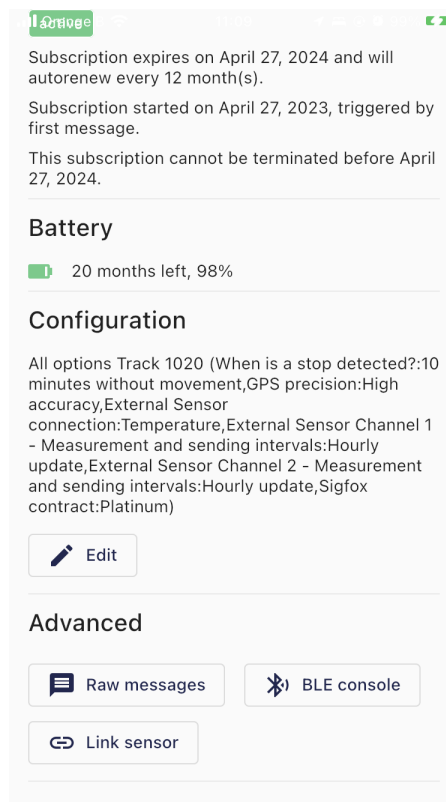
Link the sensor to the tracker

Use the Sensolus mobile app to link the sensor to a tracker. Make sure you have the latest version of the app installed.

Open the Sensolus smartphone app. Select the tracker from the asset list. Click Link sensor at the bottom of the page in the Advanced section.



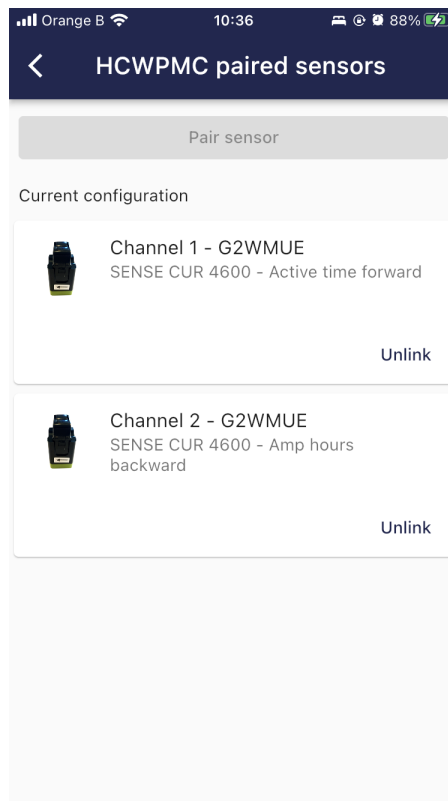
Click the Pair sensor button.



Scan the QR code on the sensor. The sensor slots will be automatically assigned.



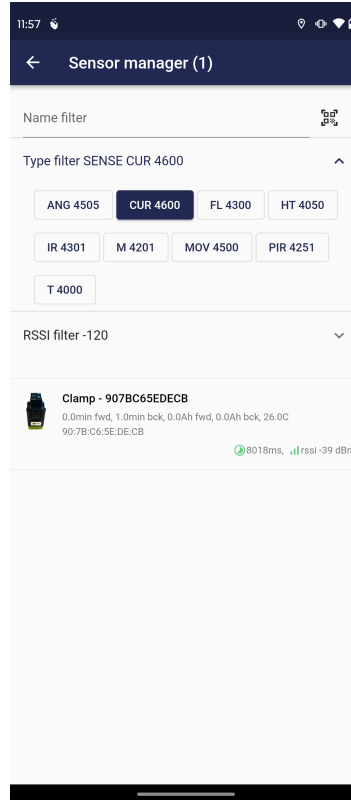
Verify that the sensor is linked. Both charging and uncharging slots should be filled.



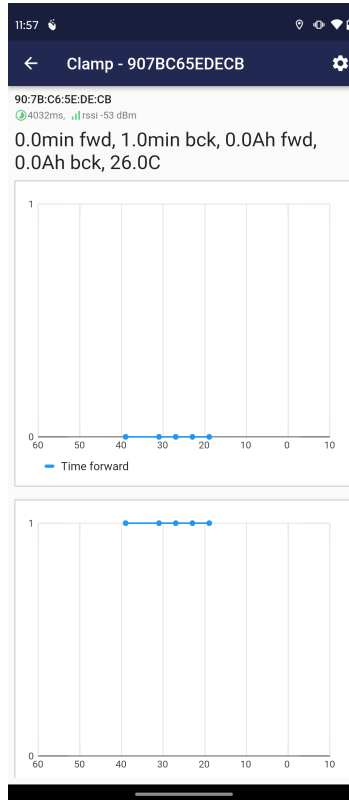
Adjust threshold values

The threshold values can be adjusted for testing purposes using the Sensolus mobile app. Make sure you have the latest version of the app installed.

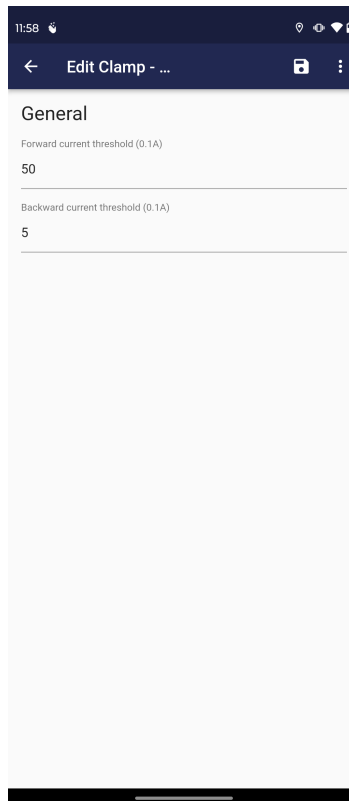
Go to More → Sensor manager.



Search for the device you want to edit and click on it to see the details.



Click the wheel icon to open the configuration settings. Enter the forward and backward current threshold values, then click the save icon to store the settings.



11:58

← Edit Clamp - ... ⌨️ ⋮

General

Forward current threshold (0.1A)
 50

Backward current threshold (0.1A)
 5

To determine appropriate threshold values, consult the Sensolus documentation centre.

Important limitations

Keep the following limitations in mind when using the SENSE CUR 4600:

Limitation	Details
Measurement interval	The measurement interval is 30 seconds, and time reporting resolution is in minutes. Short current flows cannot be accurately counted.
No live measurements	Live current measurements are not available in the platform.
No graphing	Current vs time graphs are not available in the platform.
DC only	The sensor cannot measure alternating current (AC) or voltages.
Indoor use only	The sensor is not IP rated and cannot be used outdoors.
Fragile components	The clamps contain fragile ferrite cores. Do not drop or hit the sensor.
Single wire only	Do not put both the + and - wire into the clamp at the same time. The positive and negative magnetic fields will cancel each other out, resulting in no measurement.