



HOBO data loggers [↗](#)

Version 1

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[dx.doi.org/10.17504/protocols.io.vbme2k6](https://doi.org/10.17504/protocols.io.vbme2k6)

EDYCO



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ABSTRACT

This protocol is intended to help you use HOBO data loggers and HOBOWare software.

EXTERNAL LINK

<https://www.hobodataloggers.com.au/hoboware-free-download>



HOBOWare-User's-Guide.pdf



HOBOWare-Getting-Started-Guide.pdf

PROTOCOL STATUS

Working

We use this protocol in our group and it is working

MATERIALS TEXT

- HOBO Logger
- USB base station/coupler to connect to the computer
- HOBOWare software installed on the computer: HOBOWare is a FREE Download at the following address:
<https://www.hobodataloggers.com.au/hoboware-free-download>

Connection

- 1 Connect the HOBO logger to the USB Base Station connected to the computer.

⚠ SAFETY INFORMATION

Be careful to insert correctly the HOBO logger.

Push it thoroughly in the Base Station: There is a sense (slot) to insert the HOBO Logger.

HOBOWare

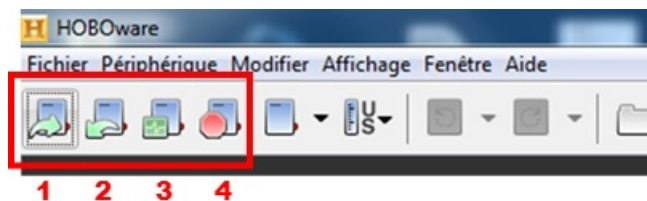
- 2 Open the HOBOWare software (FREE download)



HOBOWare Basic functions

3 4 icons at the top left:

1. First icon: **Launching** (Beware the launch of the HoBo probe overwrites the data stored there)
2. Second icon: **Reading out** (retrieve saved data)
3. Third icon: **Logger status** (allows to check the level of charge of the battery and the used memory)
4. Fourth icon: **Stop** the device



HOBOWare data logger Programming

4 Click the **Launching** icon on the toolbar (**Icon 1**)

The Plot Setup window contains the following information:

- **Description:** Indicate the file name
- **Parameters:** Select Temperature and Light Intensity
- **Recording interval:** "5 seconds" for example (this gives below the possible recording time depending on the memory)
-

To **Start** recording:

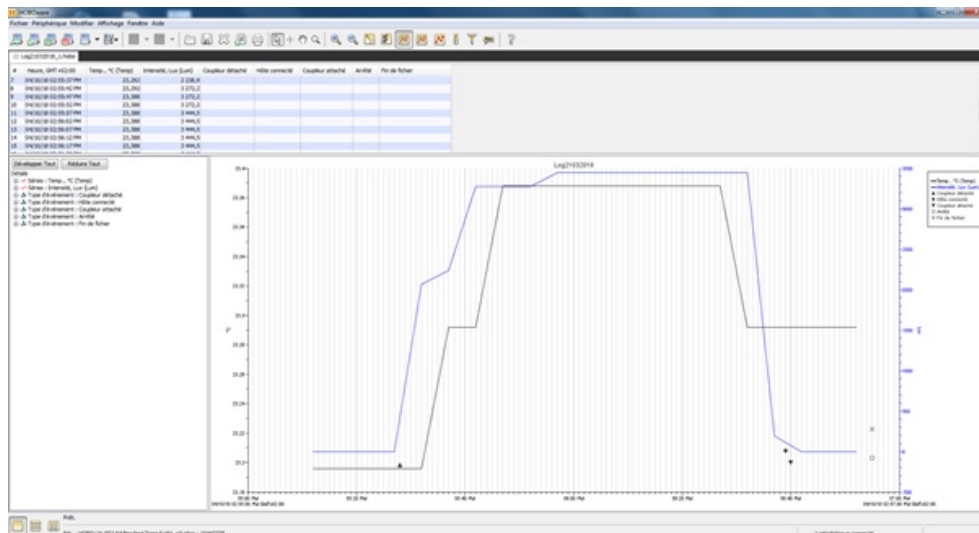
- Click on "Start" (Immediate) or "Delayed start" (Postponed, indicate date / time)

HOBOWare data logger Reading and Data export

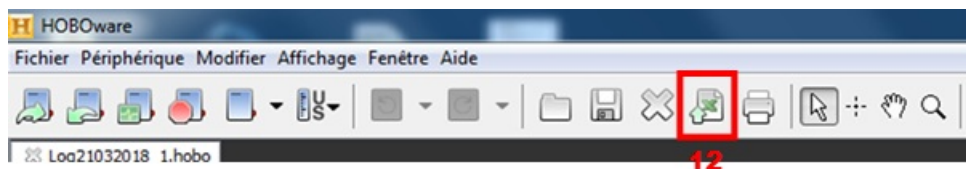
5 **Reading out the logger and plotting data**

- Click the **Read out** icon on the toolbar (**Icon 2**)
- Choose the location to save the datafile.
- Choose the **units** of measurement (Temperature in °C and Light Intensity in Lux, leave the rest checked)

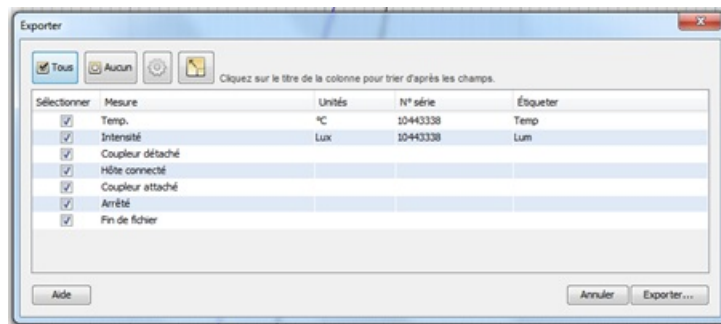
- Click the **Plot** button



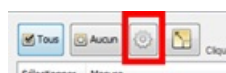
To save the file in excel format: click on the Excel icon (icon n°12)



A window appears.
Leave everything checked.



Open the "Preference / Settings" icon (third icon)





Data Export:

- Export file type: **Excel**
- Separate date and time (No: it will keep date and time grouped, facilitating graphics over several days)
- Time format: 24 h
- Do not check "**Export** automatically ...", do it **manually**.
- Click on "OK" then "Export" and "Save" the file.



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