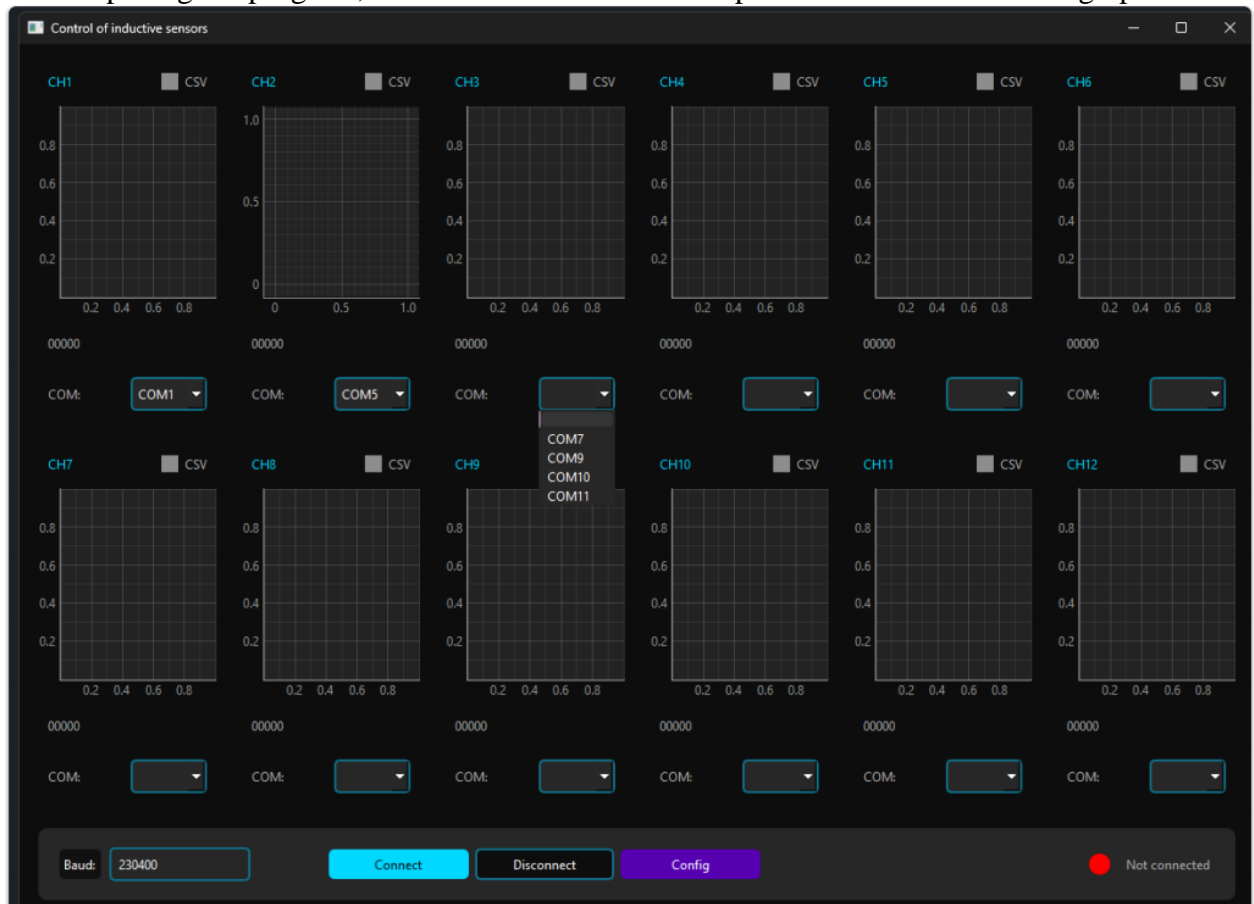When opening the program, we select the sensor's COM port. This is done for each graph.
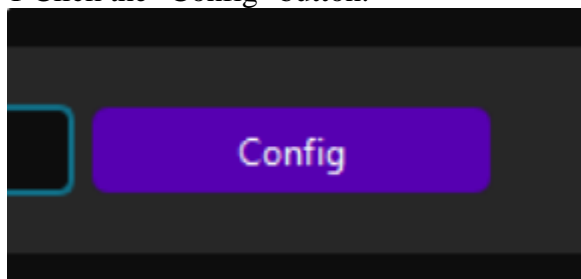

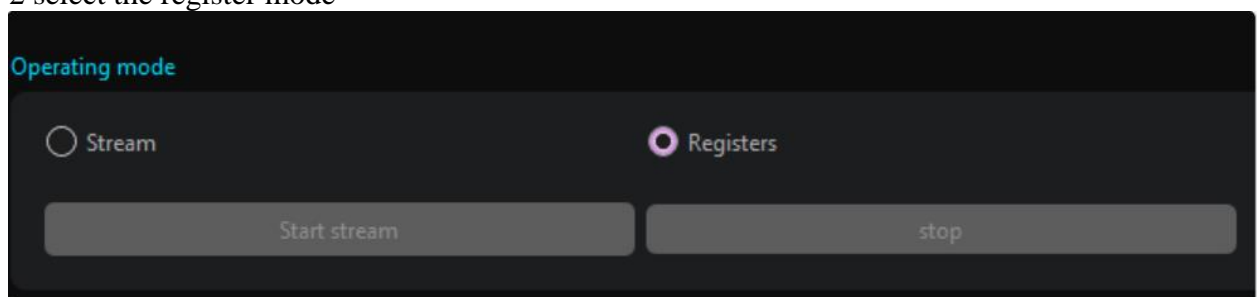Click the "Connect" button.

The indicator should turn green. This means the connection to the sensors is established.
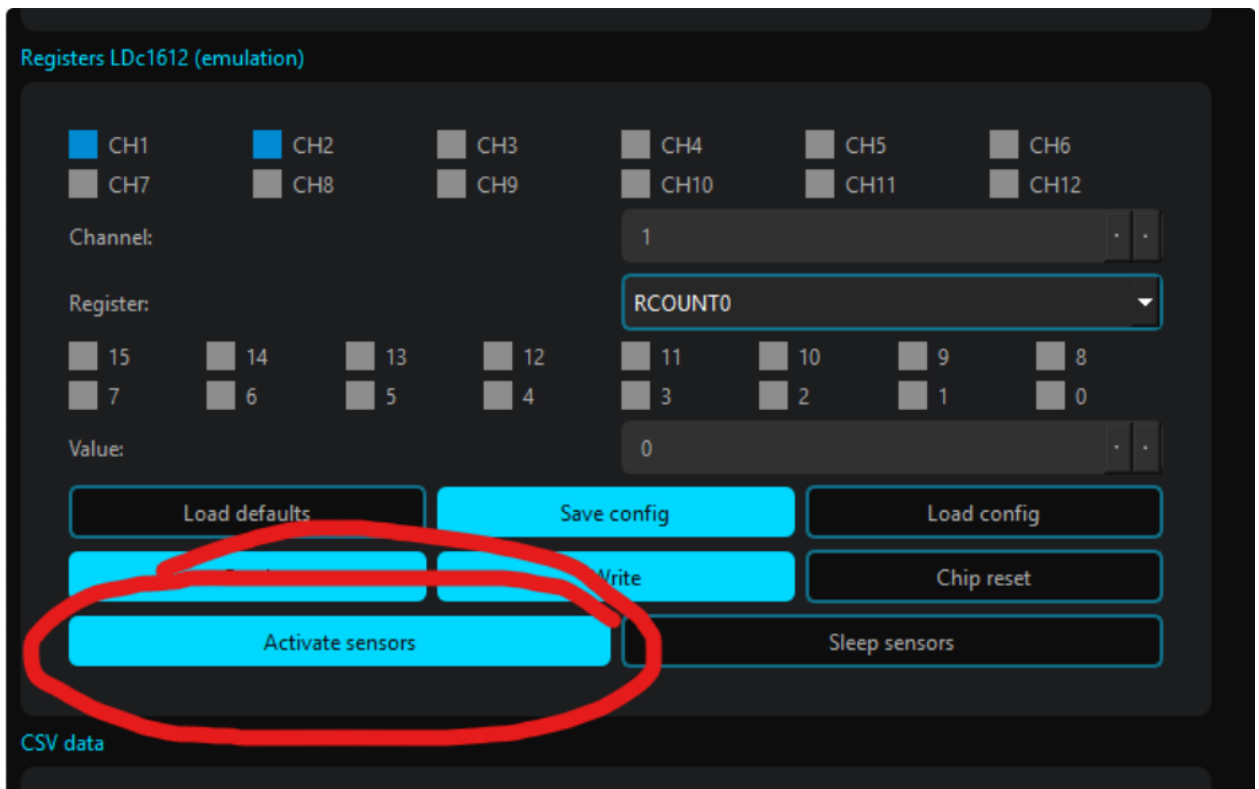
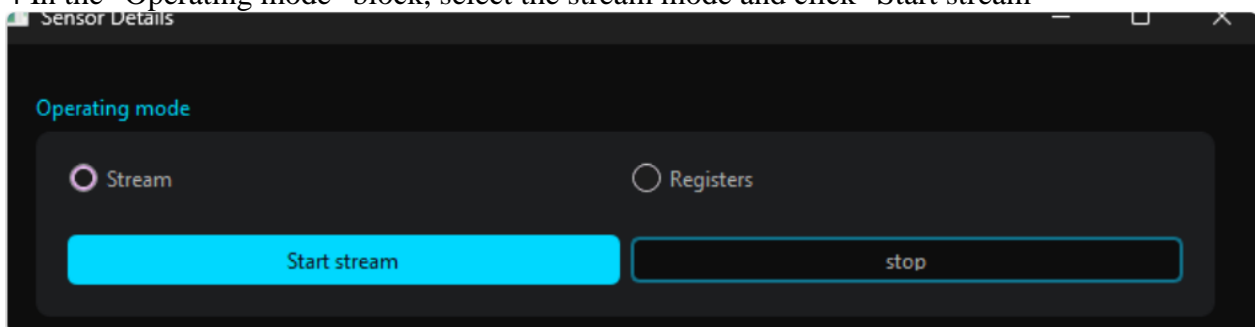To start the stream:

1 Click the "Config" button.
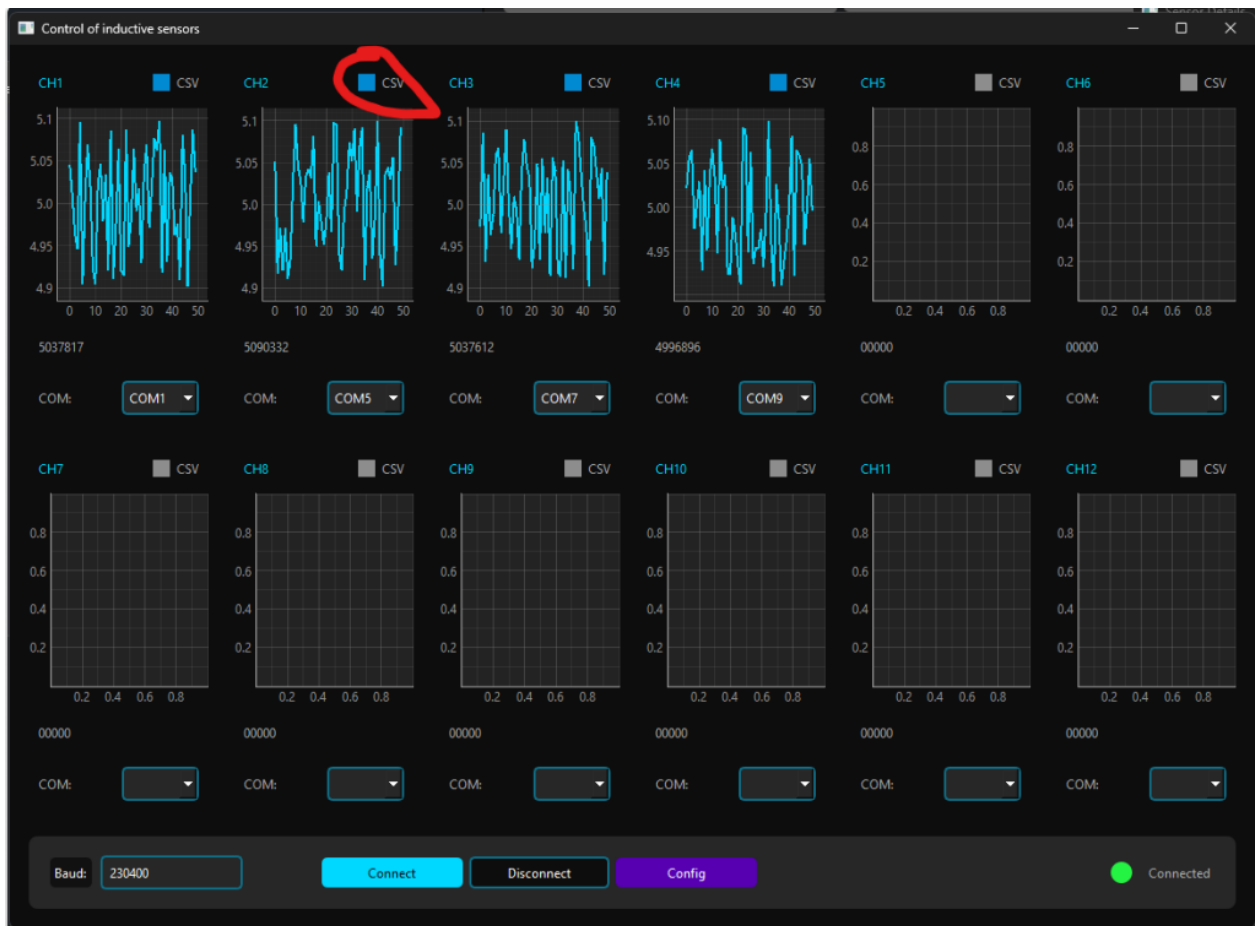

2 select the register mode

3 In the "Registers LDc" block, click the "Activate sensors" button.

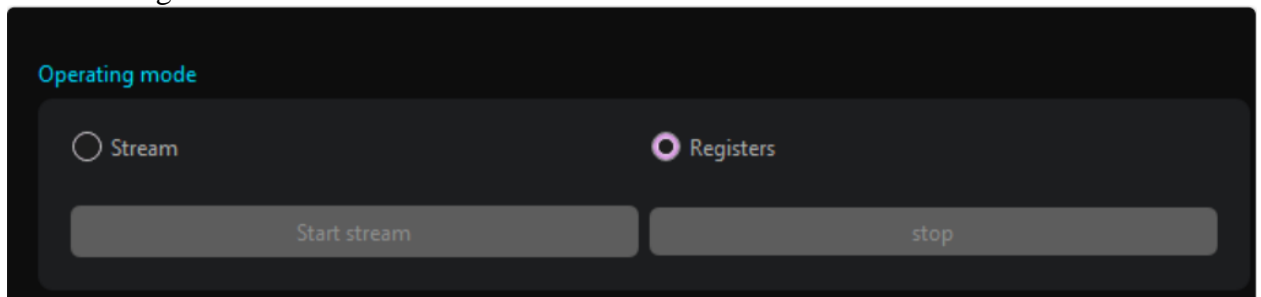4 In the "Operating mode" block, select the stream mode and click "Start stream"

5 The stream will start in the main window. We can turn on and off the display of graphs using the checkboxes.

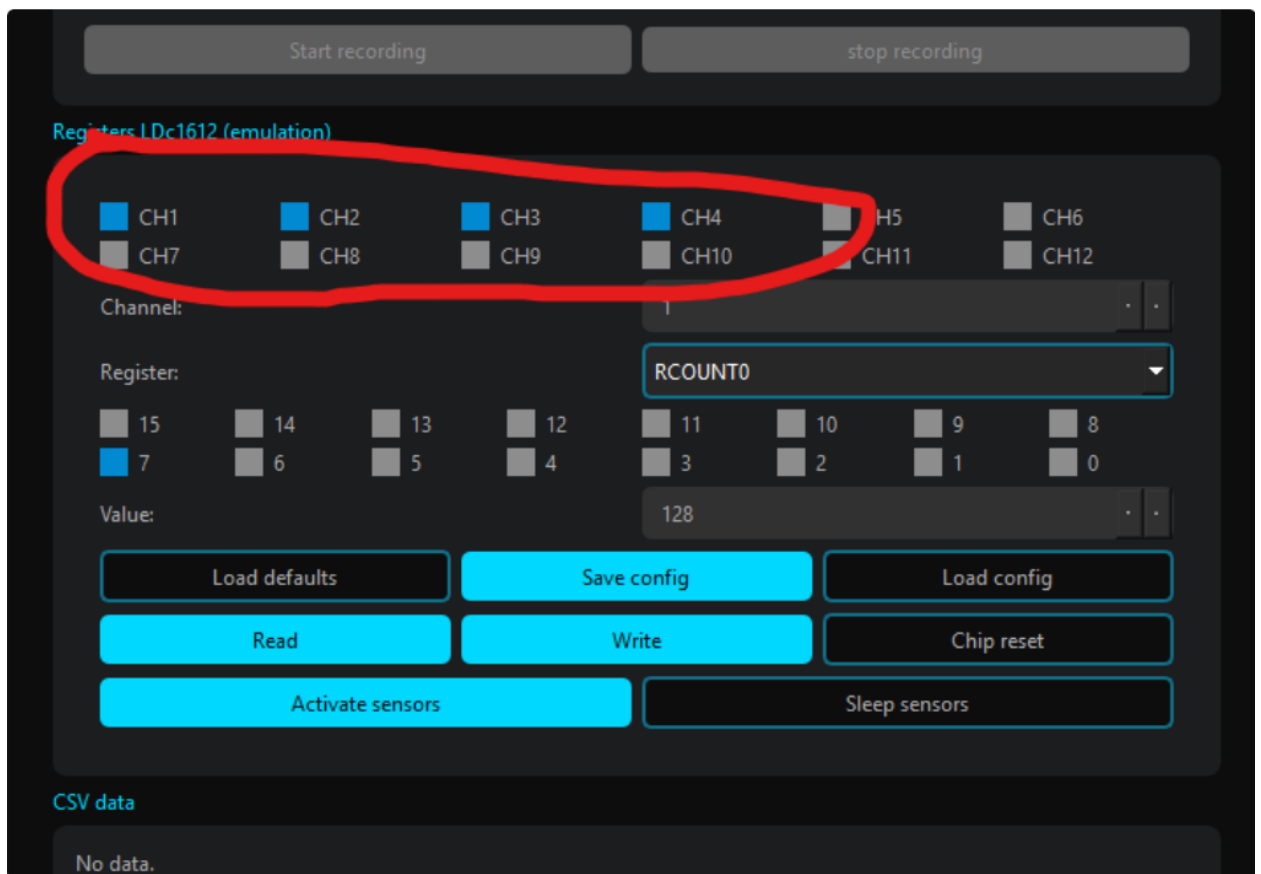6 To stop the stream, click "config" and "stop."

Read/write mode for sensor registers:
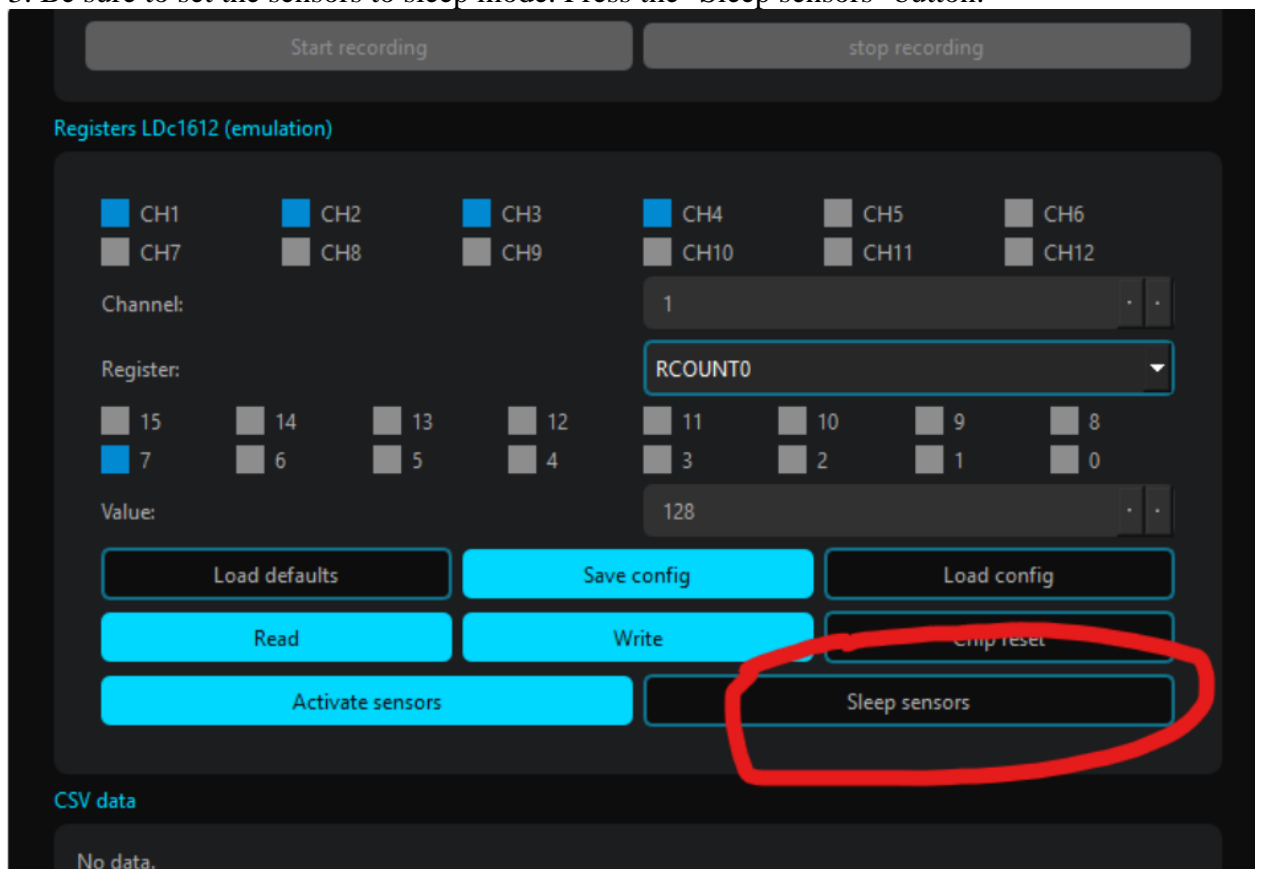
1 Select "registers"

2. In the "Registers LDc" menu, use the checkboxes (CH1, CH2, etc.) to select which sensors you want to work with.
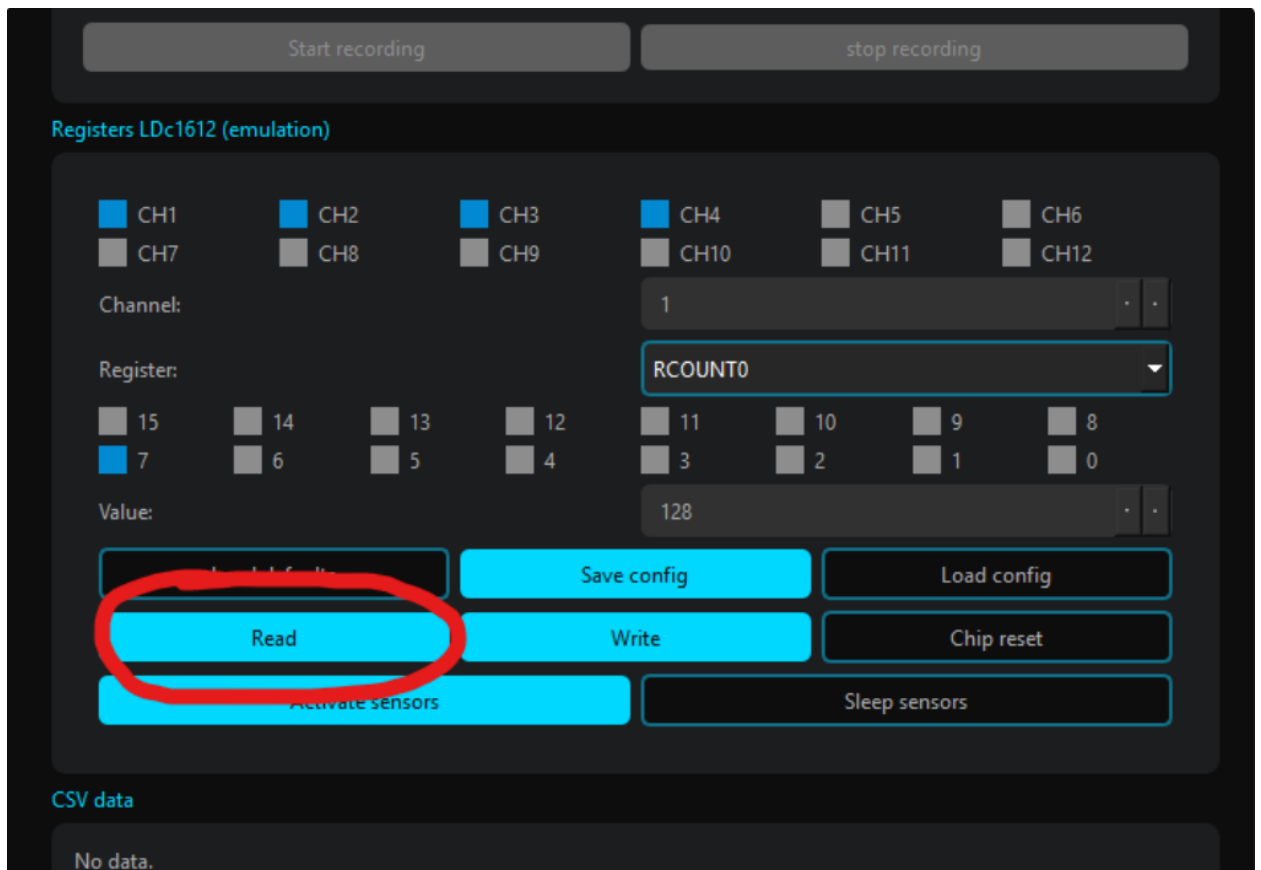
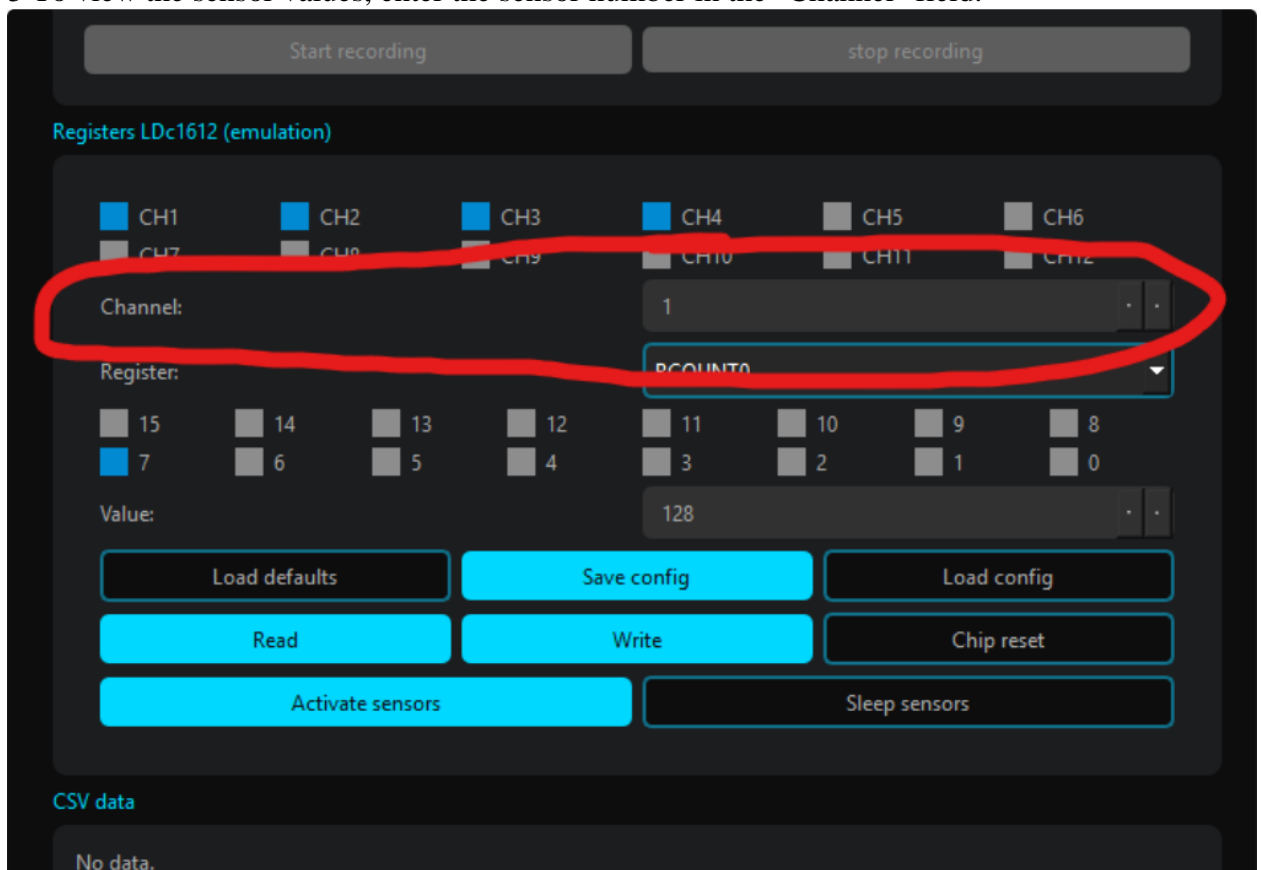By default, all connected sensors activate their checkboxes.

3. Be sure to set the sensors to sleep mode. Press the "Sleep sensors" button.
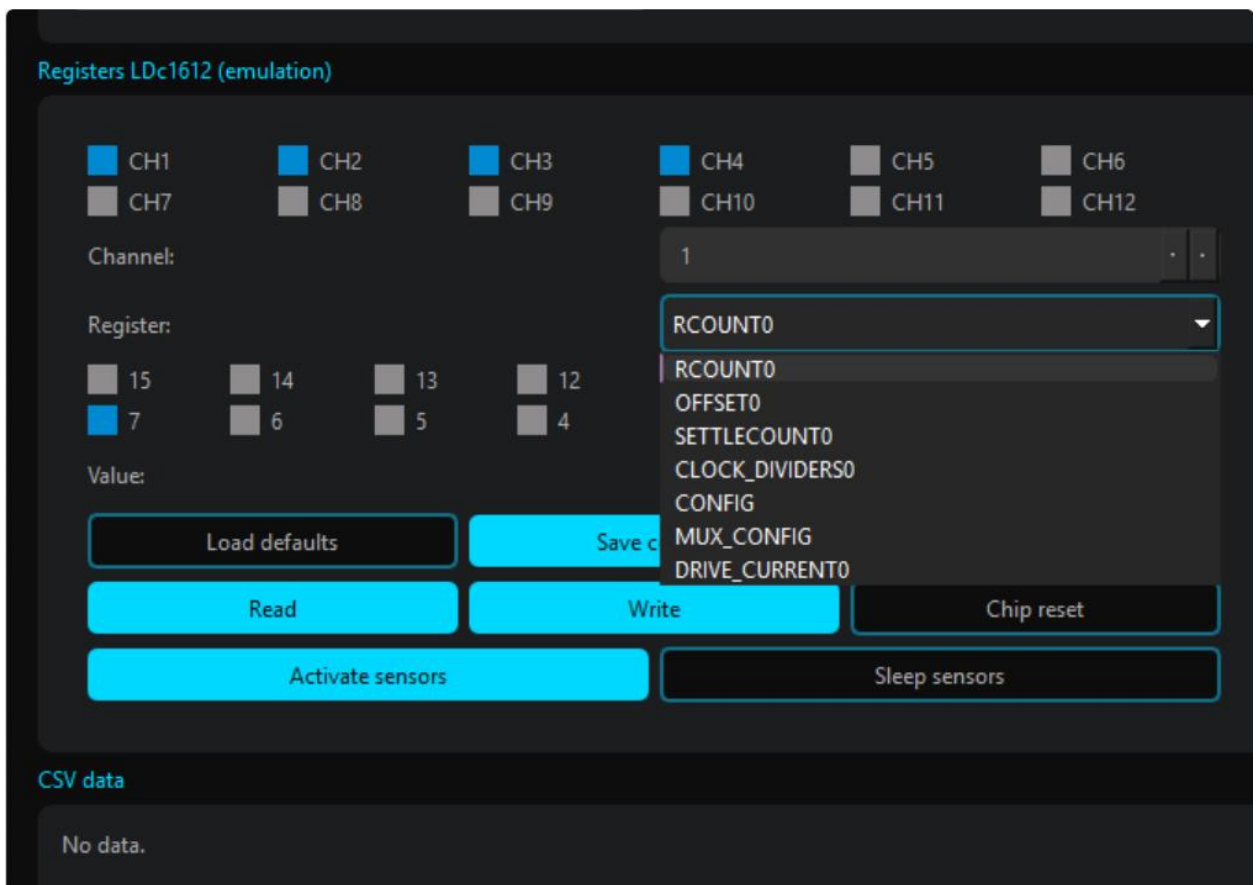

4 If we want to read the sensors, click "Read." The data from the sensors will be loaded into the GUI.
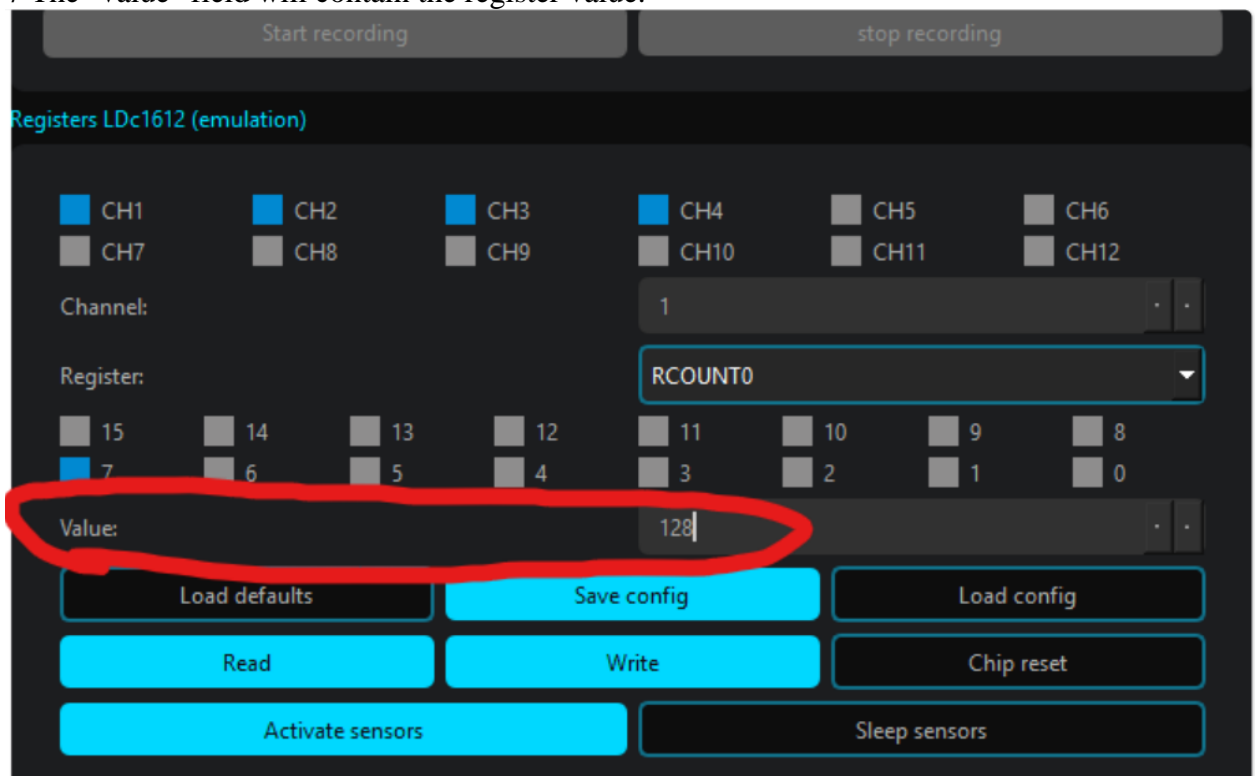
5 To view the sensor values, enter the sensor number in the "Channel" field.

6 In the Register field, select the register we need.

7 The "value" field will contain the register value.
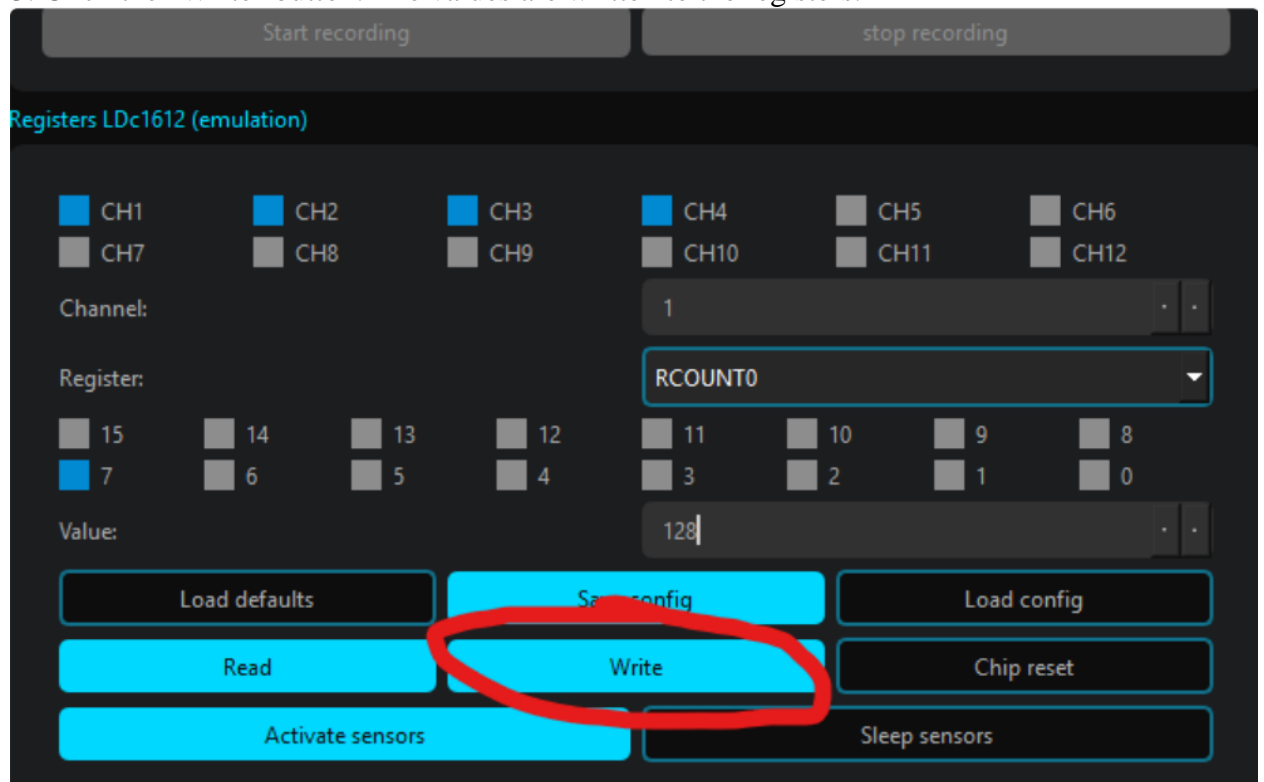

If we want to write a new value to a sensor register:

1. Follow the same steps above up to step 3 (if you haven't already).

2. Select the register and enter the value in the Value field.

We can do this using bits (checkboxes numbered 15 to 0)

or manually in the Value field.

3. Click the "Write" button. The values are written to the registers.

If we want to reset the register values of the selected sensors, click the "Chip reset" button.

If we want to load values from a file:

1 Click "Load defaults" to load default values or "Load config" to load custom values.

2 The values are loaded into the GUI. To write them to the sensors, click the "Write" button.

To save the settings, enter them for each register and click the "Save config" button.

Data recording mode during a stream:

1 Only works while a stream is running.

2

Either manually create a file using the "Review" button and click "Start recording."

Or immediately click "start recording." Recording to the generated file will begin.

When switching from read/write mode to streaming, be sure to click the "Activate sensors" button.