**Lab setup**

**ARDUINO UNO CONFIG**

Plug the Arduino Uno in one of the available USB ports. The code has already been uploaded in the Arduino board and the delay was selected to be 2 ms. If no code was uploaded, upload EMG\_lab.ino

**PYTHON SCRIPT CONFIGURATION**

Open “Jupyter Notebook” and navigate to “CET IIB Biosensors and Bioelectronics.ipyndb” (this can be found in the “Desktop” folder). In the same folder you will find the “lab\_setup.ipy” file, which you can also open. Ensure that the COM port in the “lab\_setup.ipy” code corresponds to the port that you are currently using. This can be checked by navigating to the “Device Manager” in your computer’s “Control Panel”. If a different port is used, please change the code accordingly.

Run the box “%run lab\_setup.ipy”. To start your measurements run the box “read\_data("Run1",duration=5)”. The measurement will begin after a countdown of 3 seconds and the results will be saved in a .csv file with the name “Run1”. An output graph will also be produced.

Common error: the excel file is open and cannot be overwritten.