## Photoelectric chemical etching manual

This manual is for the use of the photoelectric chemical etching program in the Cleanroom.

This program uses the 2400 series Keithley to record current vs the time of etch.

NB. Do not change anything under the '''AUTOMATION STARTS HERE: PLEASE DO NOT CHANGE WITHOUT APPROVAL''' line (unless you save and make your own file)

1. In the “INPUT VALUES HERE SECTION”, change the voltage, time and specify the file name (if you save as same name, it will overwrite previous csv file!) and path you would like the data to be saved in.
2. Click run and in the console window, you should see the current and time being recorded each second.
3. When finished, plot will appear in a new window, from there you can make changes to the plot, the csv file will be saved in the path specified

Debugging tips:

1. If you get this error:



The path you specified does not exist/can’t be read. Make sure your path is correct. Otherwise try changing the path to a different directoary

1. Check the address of the keithley matches with the address given in code:



If there are any other problems – email: [owen.moynihan@tyndall.ie](mailto:owen.moynihan@tyndall.ie)