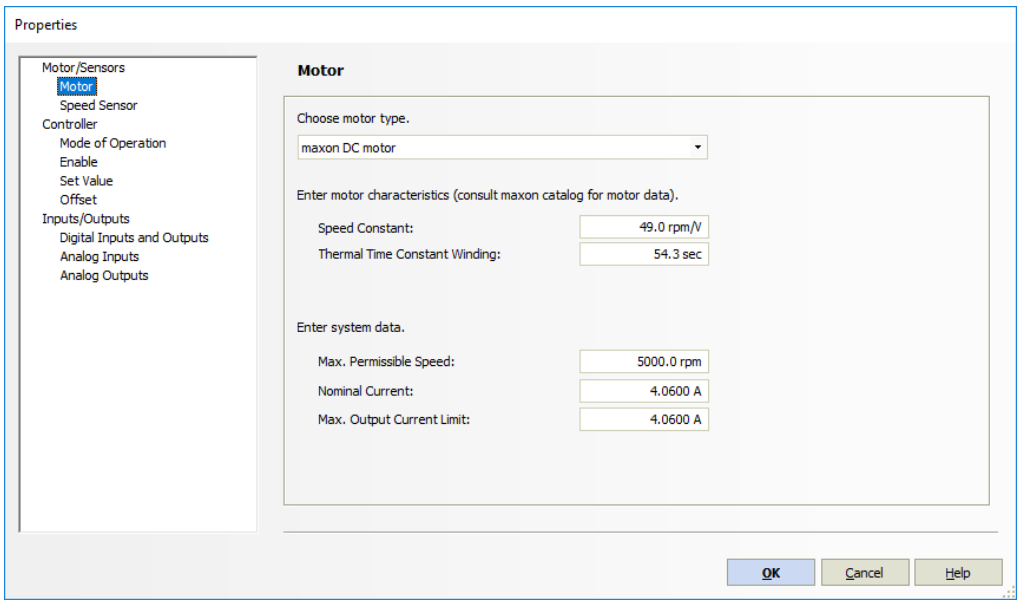
ESCON Studio

The ESCON module relies on dedicated software: ESCON studio. **Note**: *this software works exclusively on Windows platforms.*

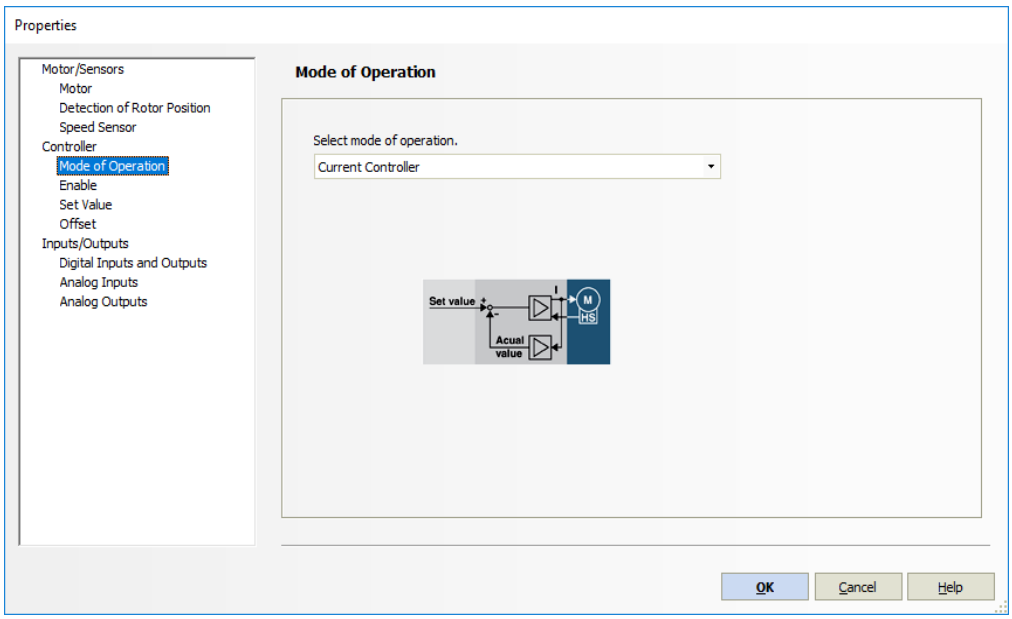
ESCON Studio can be downloaded at this link:
https://www.maxongroup.it/maxon/view/content/escon-detailsite

Once the software is installed, this are the steps the user needs to perform:

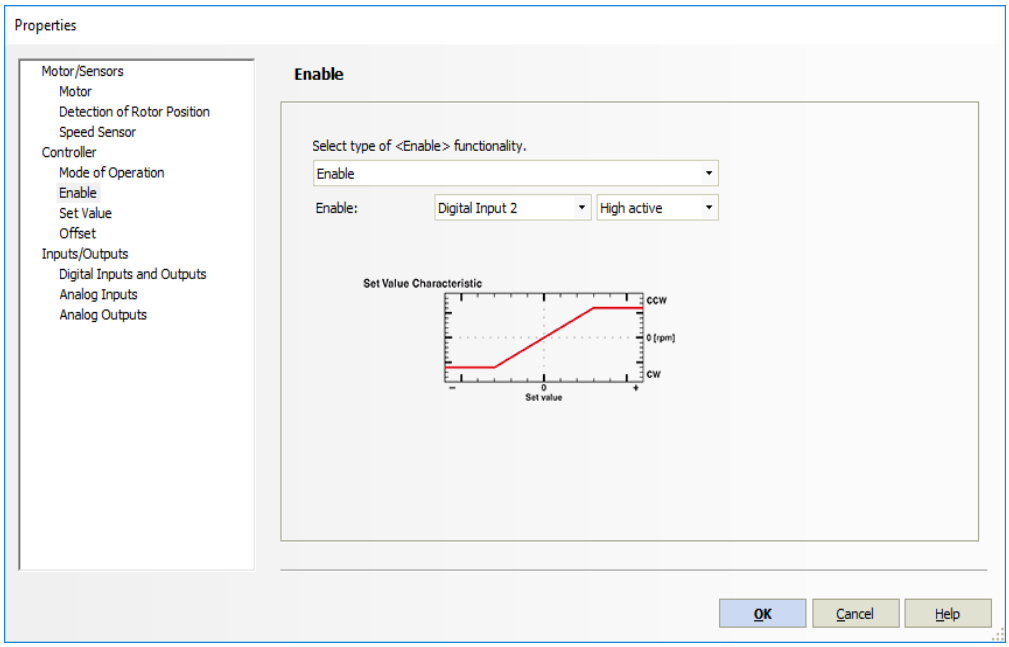
1. Connect the ESCON to the PC using a micro USB cable
2. Start the ESCON studio program and follow the first steps the interface shows
3. ESCON configuration steps
    a. Insert the motor parameters referring to the datasheet



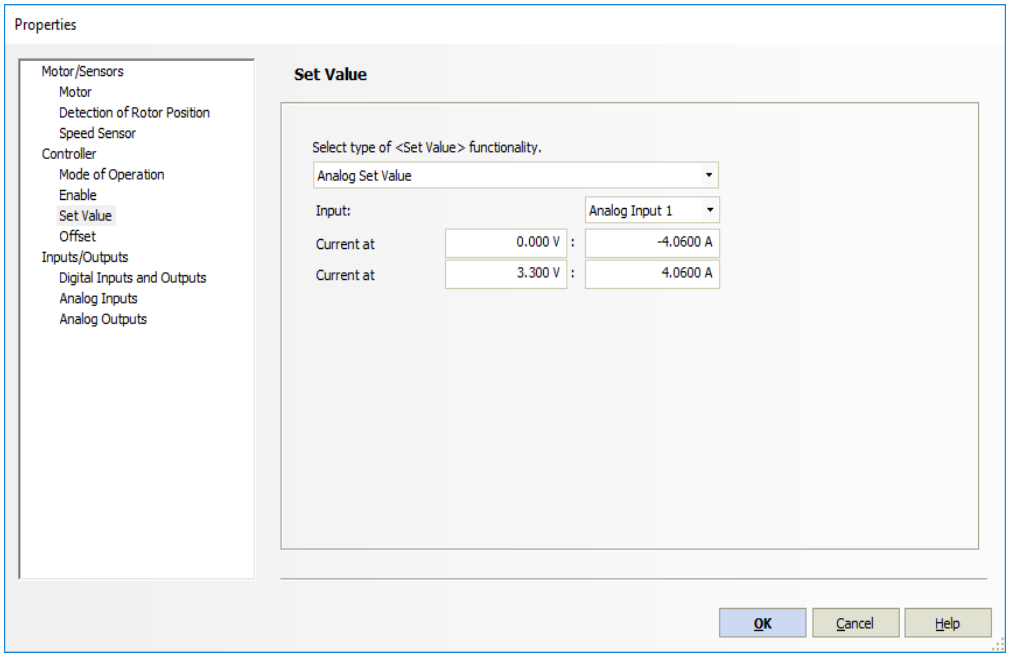
    b. Set up the module as a current controller



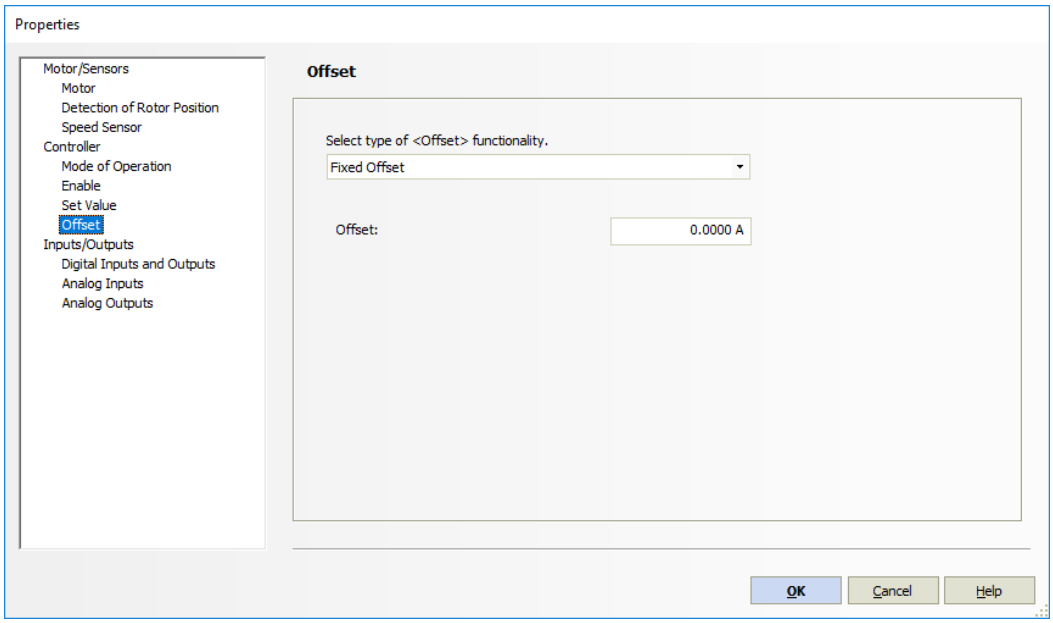
    c. Keep the configuration of enabling as shown in the figure below



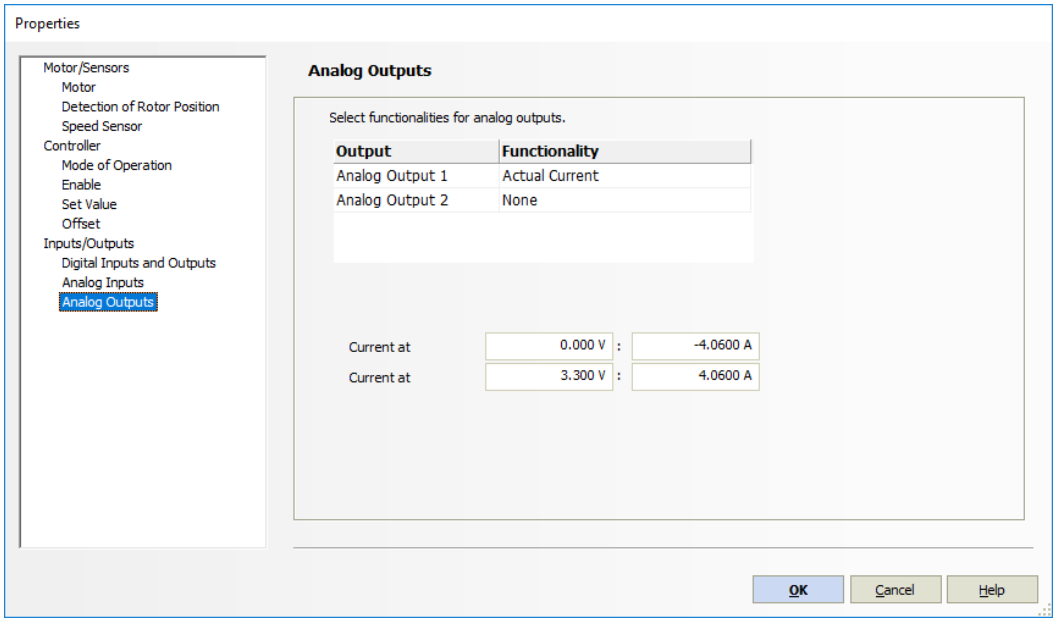
d. Enter the current values in relation to the voltage taking care to enter the maximum current value at 3.3V and the maximum negative value at 0V. The input must be the Analog Input 1 as show below.



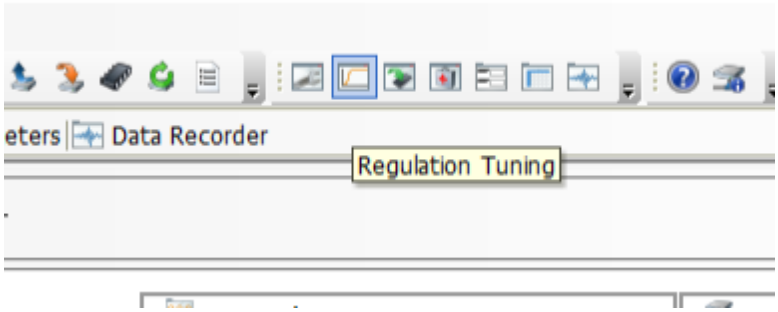
e. Keep the offset at 0A.



f. We set as analog output the real current of the motor remembering to give the correct intervals of current as shown in the figure below

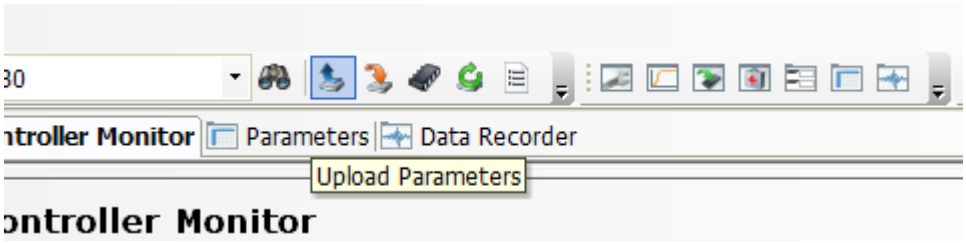


4. Power up the motor, keeping the ESCON connected to the PC, and launch the AUTO Tuning tool in order to set up the correct constants of the current controller.



5. Disconnect the ESCON from the PC. **The motor is ready to use!**

Optional
It is actually possible to save locally the parameter of the configured motor, by pressing the **upload parameters** button.



Indeed it's also possible to download on the ESCON parameters previously saved by using the **download parameters** option.