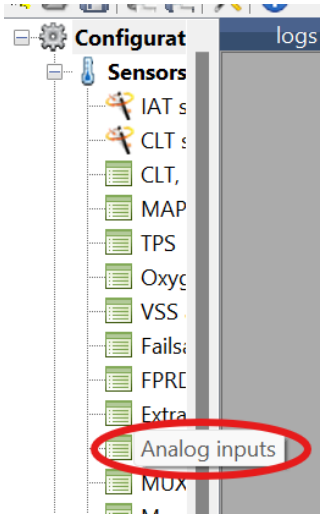
Analyzing the Knock Detective's output with ECU Masters Classic

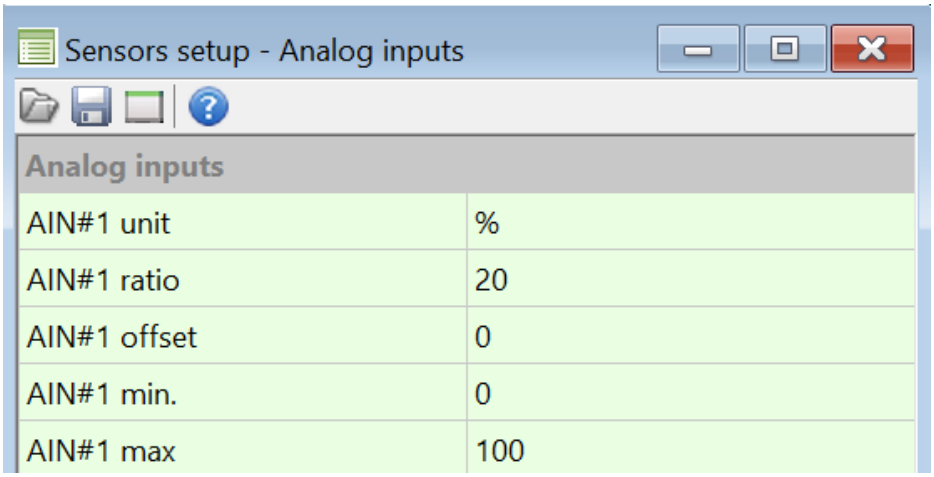
V1.0 – Jan 15, 2025

1 – Connect the **BLUE** wire from the Knock Detective to an available analog input wire on your EMU Classic. Take note of which input you have selected. Make sure there is a ground connection from the Knock Detective to your ECU. Since the exact voltage isn't crucial, the ground connection through the chassis may be sufficient.

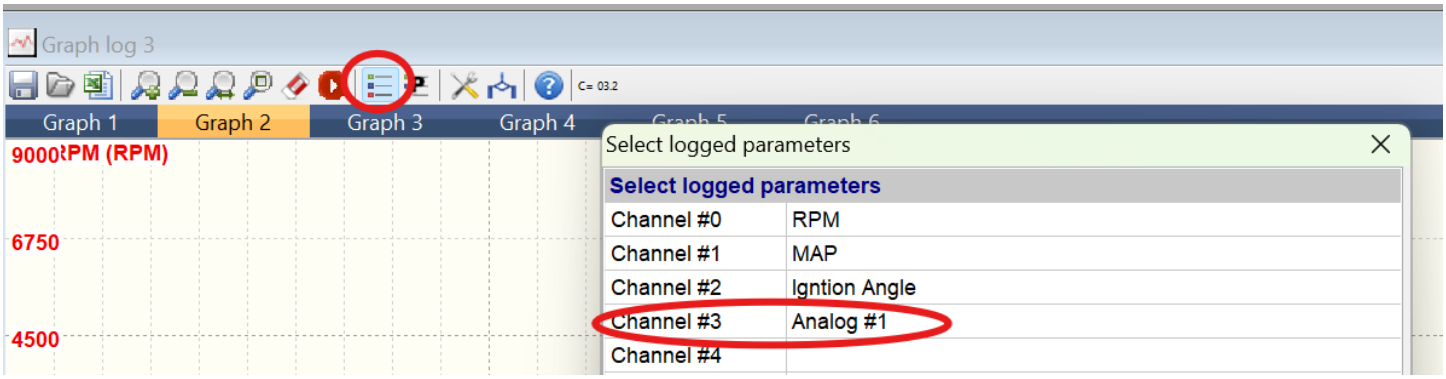
2 – From the left-hand side, select **Configuration**, **Sensors**, **Analog inputs**:



3 – Configure the input as shown below. This converts the 0-5V signal to a 0-100% value:



4 – In order to view your analog input in your graph click the **Logged Parameters** icon from the graph window, and put your analog input in a channel:



5 – You can now view your selected analog input in the datalogs. Remember the voltage will grow with RPM, but you're looking for sharp spikes in the amplitude indicating potential knock events.