



VEBKO ONLINE HELP

Analog Output Setting

Category	tester
Section	Modules Toolbar and Statusbar
Language	English
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By clicking on "Hardware Configuration", a new page with the same name opens where the settings for voltage and current outputs, binary inputs, and outputs of the device as well as some other settings in "Extra Setting" are set. In the "Analog Output" tab, the settings for voltage and current outputs, activeness or inactiveness of outputs, labeling them and displaying the actual values for the output signals of the device are adjusted.

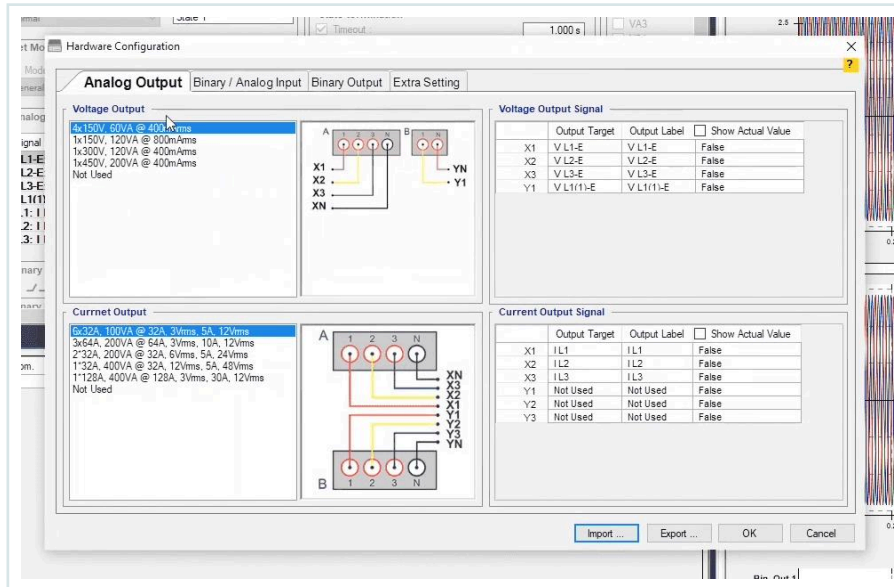


Figure 1

In "Voltage and Current Output" sections, the maximum receivable voltage and current from the outputs of the device are specified according to their wiring, which the users can use depending on their needs. By selecting any of the options, a figure of the wiring for receiving the required voltage and current is displayed in a box in the middle of the page. For example, by selecting single-phase 300 V, to receive up to 300 V with a 400 mA current, the user needs to do the wiring according to this figure. In the "Current Output" section, there is some information about wiring. For example, in the first wiring, there are 6 32 amp current Outputs. In this case, a maximum of 32 amp with 3 V is fed by every phase and up to 5 amp with 12 V is receivable from the current outputs.

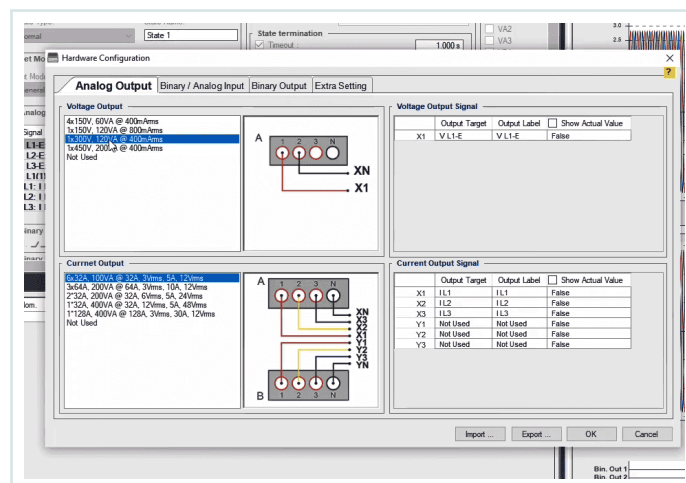


Figure 2

In the "Show Actual Value" column in "Voltage Output Signal" and "Current Output Signal" sections, it is possible to activate displaying the "Actual" value of output signal in the "Signal View" window. To do this, you need to change the value of the cell of your intended signal in the "Show Actual Value" from "False" to "True". For example, if the "Show Actual Value" of "VL1-E" signal is changed to "True", by running the test, it is observed that there are circles on the waveform of its signal.

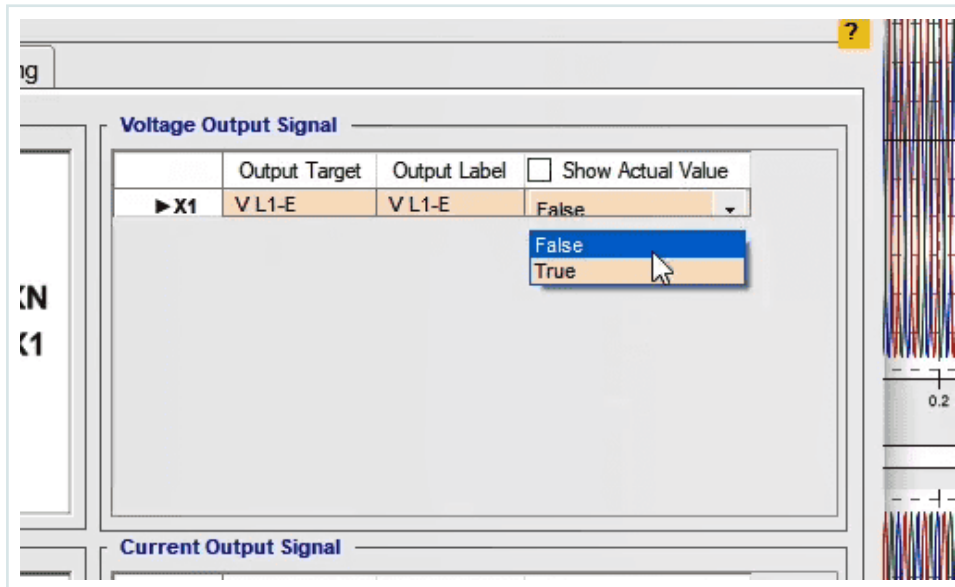


Figure 3

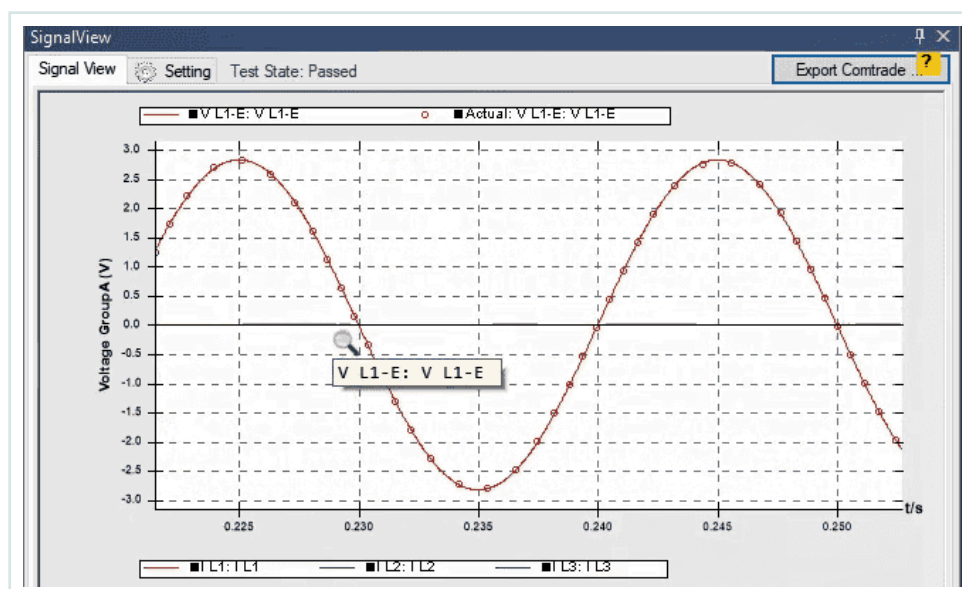


Figure 4

In the "Output Label" column, it is possible to specify a "Label" for each of the outputs. In addition to the labels in the drop-down field, it is possible to add new label by typing it.

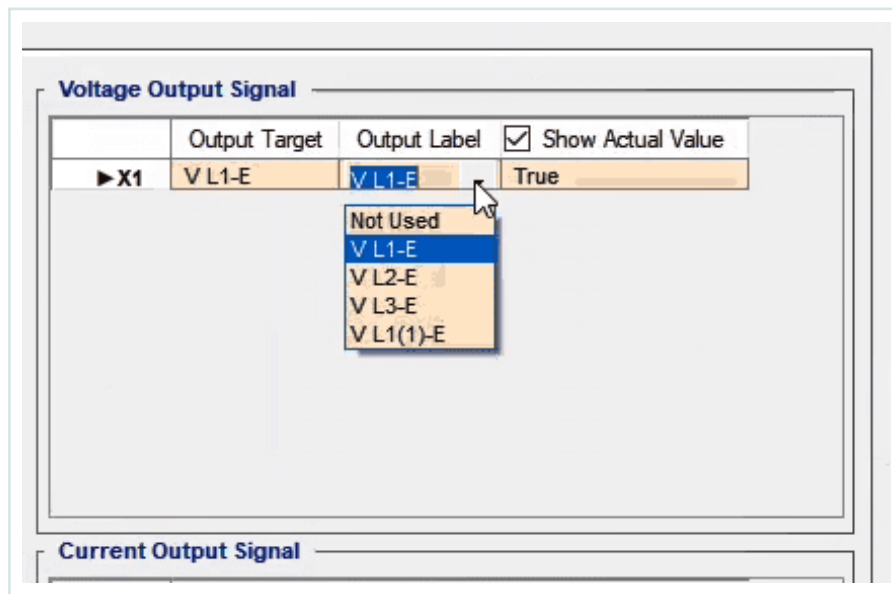


Figure 5

In the "Output Target" column for each of the outputs a target will be specified. In selecting an "Output Target", it is important to note that each of these "Output Target" has a meaning. For example, if "VL1-E" is selected for the first output of the "voltage output A" and "IL1" for the first output of the "current output A", by selecting "Set Mode: Z-I const", the software divides the 2 volts of "VL1-E" into 1 amp of "IL1", which are the first output of the "voltage output A" and the first output of the "current output A", respectively, to simulate phase to ground fault with a 2 ohm fault impedance. Now, if, in the "Hardware Configuration" page, "VL1-E" is selected for the second output of "voltage output A", in simulating the fault impedance of the previous example, the software, again, divides the 2 volts voltage of "VL1-E" into 1 amp current of "IL1", except that this time the voltage of "VL1-E" and "IL1" is injected from the second output of the "voltage output A" and the first output of the "current output A", respectively. Also, it should be noted that if "VL3-E" is selected for the third output of the "voltage output A", and the same "Output Target" is selected for the single-phase output of the "voltage output B", the third output of the "voltage output A" changes to "Not Used" and this "Output Target" is selected for the single-phase output of the "voltage output B". This means that each of the available "Output Target" can only be selected for a single output.

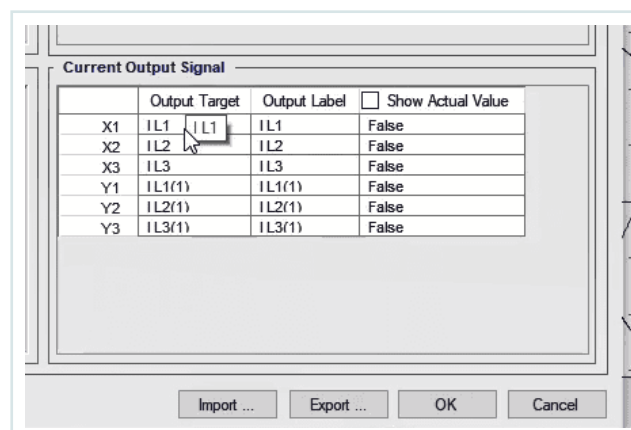


Figure 6



Figure 7

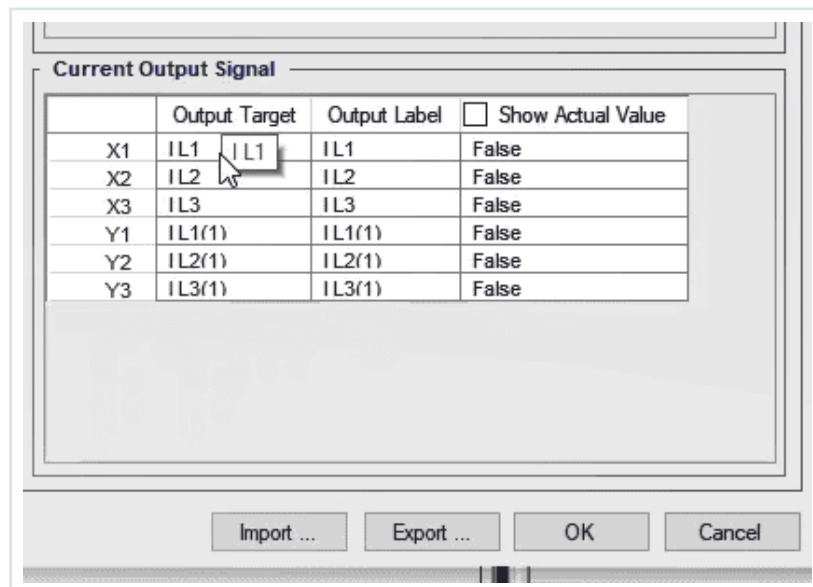


Figure 8

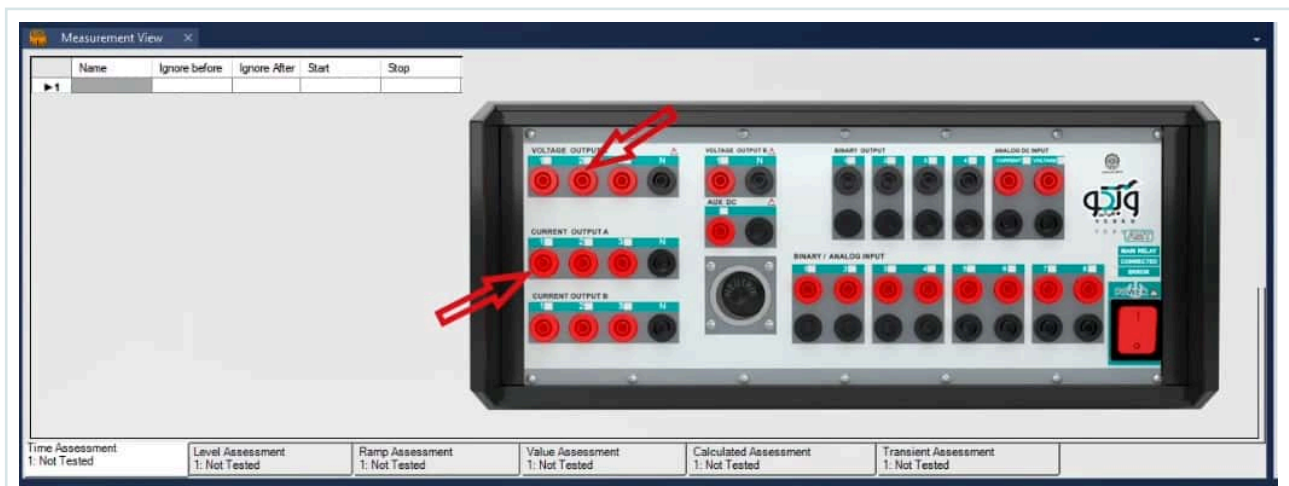


Figure 9

As another example, in the "AMT Distance" Room, the software uses "voltage output A" and "current output A" to simulate fault impedance. If the user wants to use the "current output B" instead of the "current output A" for current injection, they should select "IL1", "IL2" and "IL3" as the "Output Target" for the three outputs of the "current output B" in the "Hardware Configuration" page.

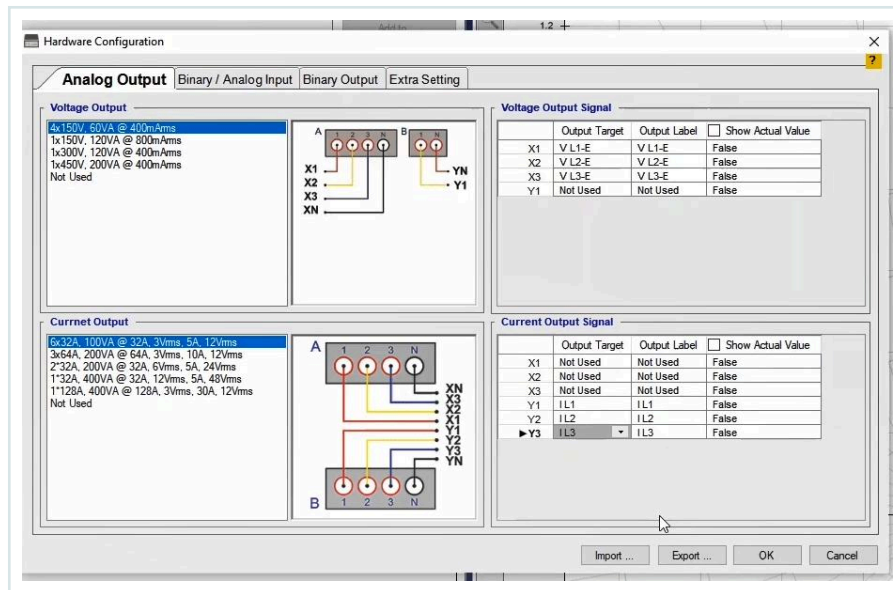


Figure 10

[jg1]Analog_Output_Setting