



VEBKO ONLINE HELP

“Vector View” Window, Part 3

Category	tester
Section	AMT Sequencer Module
Language	English
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Next, we make an increasing "Ramp" "State", from 10 to 60 volts with 2 volts paces and a 1 amp current. Then in "Signal View" window, "Data Table" and 1, 2, 3 cursors are activated and "V L1-E", "V L2-E" and "V L3-E" signals are assigned to "Cursor 1", "Cursor 2" and "Cursor 3" respectively.

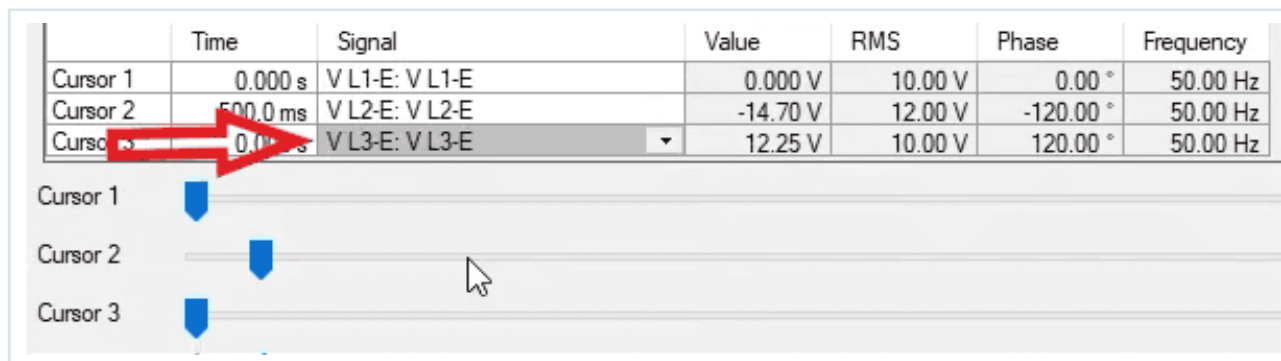


Figure 1

There are 5 states in "Type" field. In "Normal" state, values are displayed in the table while performing the test. By selecting "Orange", an orange "Cursor" appears at the top of the widow which is linked with "Cursor 1" in "Signal View" window and by moving this "Cursor", the time is displayed in "Time" field. You can see that by moving this "Cursor" the signal values of all parameters are displayed in the table of "Vector View" window and as a vector in vector graph of this window. Because this "Cursor" is linked with the "Cursor1" from "Signal View" window and "VL1-E" is selected for "Cursor1" signal, instantaneous and effective values of "VL1-E" signal are displayed in "RMS" and "Value" rows in "Signal View" table respectively.

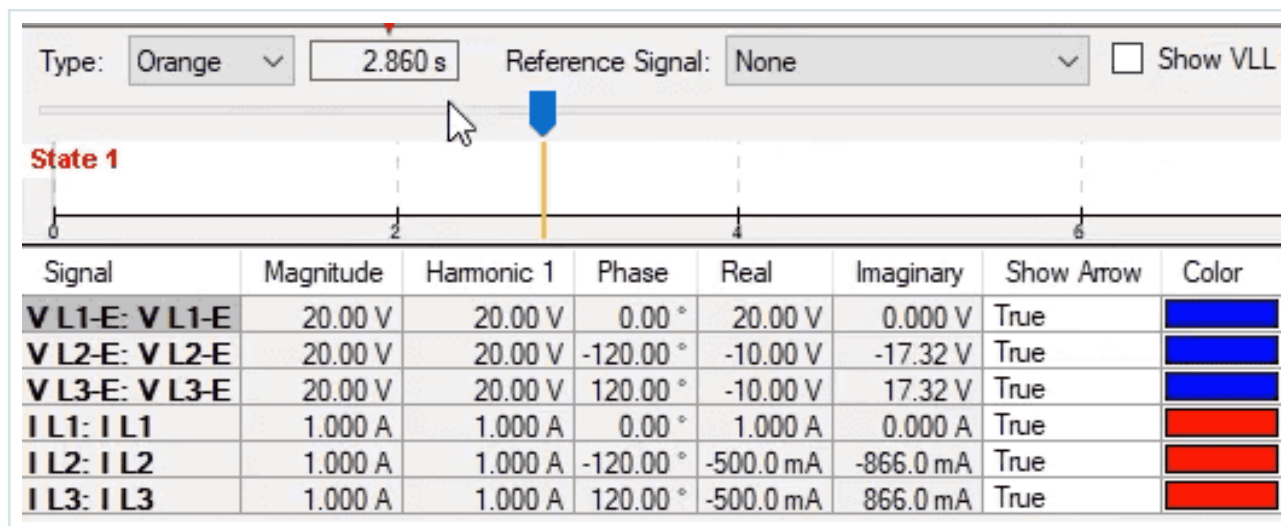


Figure 2

Now, if the user selects "Blue" from the "Types" available in this field, this "Cursor" turns blue and is linked with the blue cursor which is "Cursor 2" in "Signal View" window. By selecting "Green" as "Type", this "Cursor" turns green and is linked with "Cursor 3" in "Signal View" table. So, it should be noted that in all three "Types" including "Orange", "Blue" and "Green", the values displayed in "Vector

View" table are similar and only the "Cursor" link of this window changes along with the "Cursors" in "Signal View" window for viewing the instantaneous and "RMS" values of the intended signal.

If "Time" is selected from the available "Types", a field named "Time" appears at the top of the page and by entering the intended time, values of signals' parameters are displayed in "Vector View" window and their vector is displayed at the bottom of this page.

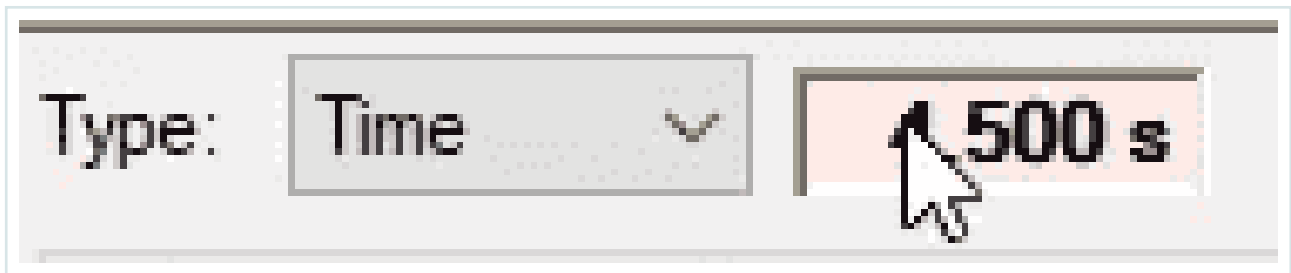


Figure 3

In "Reference Signal" field, it is possible to select a signal as the reference in "Vector View" window. By default, this is set at "None". This means that if the voltage of phase 1 has a 60 degrees angle and the other phases are symmetrical, no signal is considered as the reference and based on what determined in "Detail View", "V L1-E" and "IL 1" begin with 60 and 0 degrees angles respectively and the other signals are displayed with a 120 degrees phase difference. Now, if "Reference Signal" is set at "VL1-E", you can see that "VL1-E" signal begins with a 0 angle and the other signals are displayed in this window with a 120 degrees phase difference. Since there is a 60 degrees phase difference between current and voltage in "Table View", currents are displayed here with a 60 degrees phase difference. Also, if displaying the line is activated in the window, by checking "Show VLL from zero" option, you can see that the vector view of them is displayed from zero in the vector graph of this window.

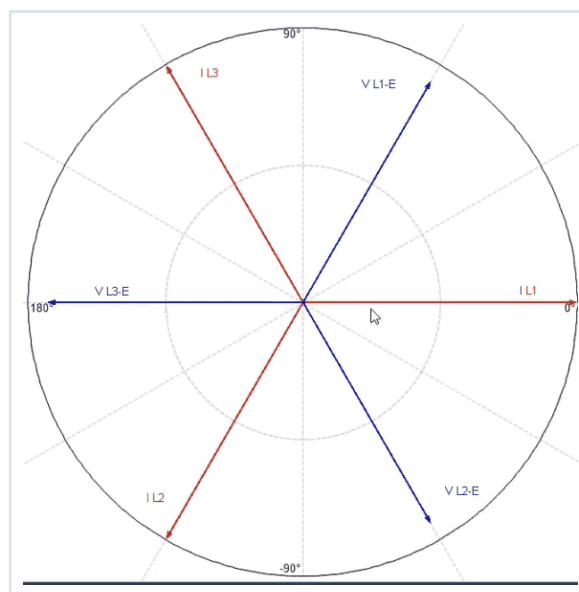


Figure 4

If you want to perform "Zoom In" or "Zoom Out" on "Vector View" window, after right-clicking on vector section of this window, first you need to uncheck "Optimize" option, then, "Zoom" option is activated and you can "Zoom In" or "Zoom Out" by using this option. Moreover, if you wish to change the color of this page, by using "Colors" option, you can change "Background", "Foreground" and "Helper Line" colors. For example, here, we change the "Background" color to blue, "Foreground" color to black and "Helper line" to green. To revert the settings to default, select "Default Colors" from this section.

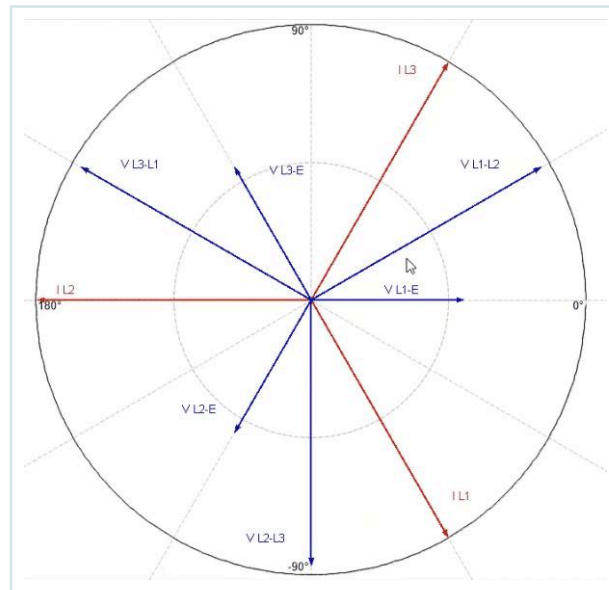


Figure 5

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