



VEBKO ONLINE HELP

“Vector View” Window, Part 2

Category	tester
Section	AMT Sequencer Module
Language	English
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Here we are going to introduce the other sections of the "Vector View" page. To view the values related to current and fault voltage, the "Set Mode" in "Detail View" window must be set on "Fault Values" or other types of faults available in this drop-down list. By selecting "Fault Value", "VFault" and "IFault" rows are added to the table. It is possible to directly determine the value of these rows in "Vector View".

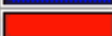
Type:	Normal	0.000 s	☐ Show VLL from zero				
Signal	Magnitude	Harmonic 1	Phase	Real	Imaginary	Show Arrow	Color
V L1-E: V L1-E	10.00 V	0.000 V	0.00 °	10.00 V	0.000 V	True	
V L2-E: V L2-E	63.51 V	0.000 V	-120.00 °	-31.75 V	-55.00 V	True	
V L3-E: V L3-E	63.51 V	0.000 V	120.00 °	-31.75 V	55.00 V	True	
I L1: I L1	2.000 A	0.000 A	0.00 °	2.000 A	0.000 A	True	
I L2: I L2	0.000 A	0.000 A	0.00 °	0.000 A	0.000 A	True	
I L3: I L3	0.000 A	0.000 A	0.00 °	0.000 A	0.000 A	True	
V Fault	10.00 V	10.00 V	0.00 °	10.00 V	0.000 V	True	
I Fault	2.000 A	2.000 A	0.00 °	2.000 A	0.000 A	True	
ZFault	2.500 Ω	2.500 Ω	0.00 °	2.500 Ω	0.000 Ω	True	

Figure 1

The next option is "Fault Impedance" which is activated by selecting "Set Mode: Distance" in "Detail View" window. By selecting "Set Mode: Distance" in "Detail View" and "Fault Impedance" option in "Vector View", a new row named "ZFault" is added to "Vector View" table. Note that when this row is added, it is no more possible to modify "VFault" and "IFault" and impedance fault is directly entered in "ZFault" row.

"Angle for directional" option shows the angle between currents and line and neutral voltages which is suitable for analyzing directional over current tests. For this information to be displayed, it is necessary to set "Set Mode" on "Overcurrent: I Test" in "Detail View" window.

The next option is "Differential". "HW" in front of this option means that this option is disabled due to "Hardware Configuration". To solve this, go to "Hardware Configuration" and activate all 6 current phases.

Angle (VE. IE)			180.00 °				
Angle (VBC. IA)			-90.00 °				
Angle (VCA. IB)			240.00 °				
Angle (VAB. IC)			-60.00 °				

Figure 2

"Overcurrent: I test Vdir" option is used for showing the current, line voltage and the angle between these two. Note that to display these values in "Vector View", "Set Mode: Overcurrent: I test" needs to

be selected in "Detail View". "Voltages" and "Currents" options show output voltages and currents of the device in terms of different parameters including symmetrical voltage and current, neutral etc.

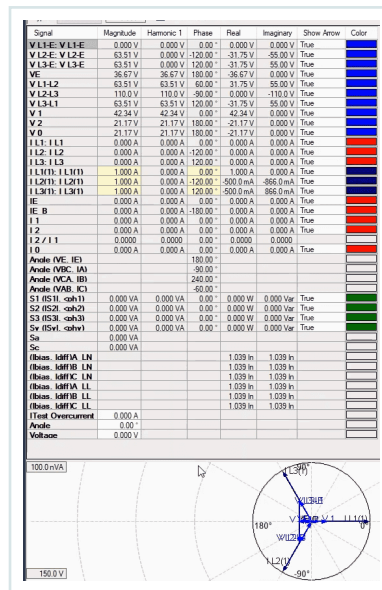


Figure 3

“Powers” option shows the apparent power obtained from different methods. If you want to only view the “Residual” voltage and current in “Vector View”, you can use “Residual” option while to view the “Actual” values, “Actual” option is to be used. “Text of Circle” and “Text of Vector” options are used to view the angles of the circle with 90 degrees step by step and the name of each vector in the circle vector respectively.

[jg1]Vector_View_window_Part2