

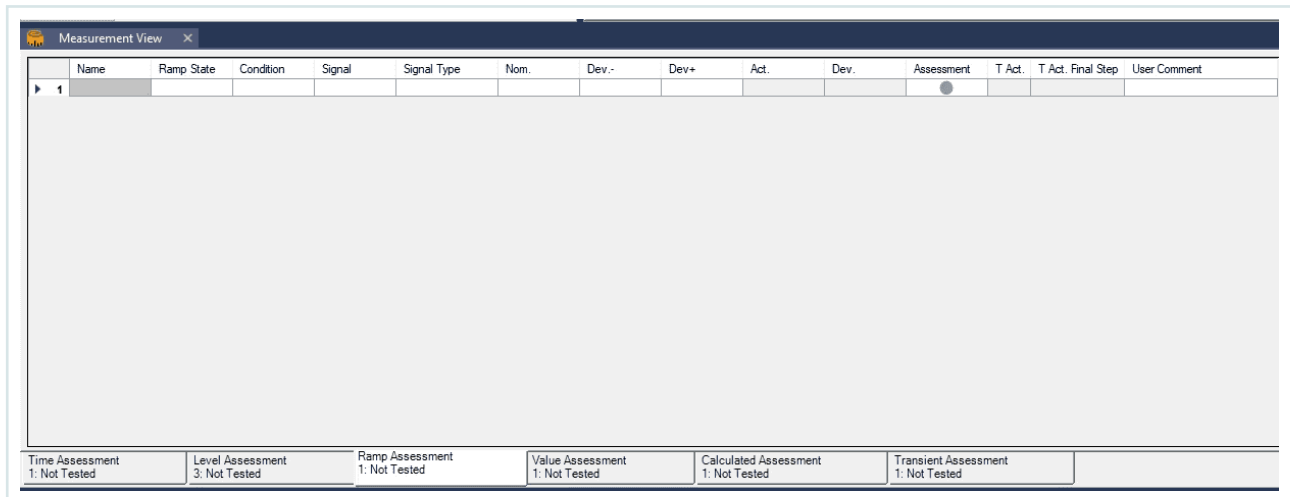


VEBKO ONLINE HELP

“Ramp Assessment” Tab

Category	tester
Section	AMT Sequencer Module
Language	English
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The "Ramp Assessment" tab is used for evaluating a signal in case special condition in the test. For example, if a relay picks up, the current amplitude is assessed and evaluated. Note that this evaluation is used only for the "States" of the "Ramp" type. For better explanation, three states are generated in such a way that the first state is adjusted as "Normal" with the voltage of 5 V for two seconds, the second "State" is adjusted as "Step Ramp" from 5 V to 20 V with 1 V steps and the third "State" is adjusted as "Step Ramp" from 30 V to 50 V with 2 V steps. In addition, in the first column a name, for example, Ramp will be entered for evaluation.



	Name	Ramp State	Condition	Signal	Signal Type	Nom.	Dev.-	Dev+	Act.	Dev.	Assessment	T Act.	T Act. Final Step	User Comment
1	ramp	S3: State 3	C3: Trip 0>1	VL1-E: VL1-E	Amplitude	40.00 V	3.000 V	2.000 V	42.00 V	5.00 %	+	3.39...	399.2 ms	

Time Assessment
1: Not Tested

Level Assessment
3: Not Tested

Ramp Assessment
1: Not Tested

Value Assessment
1: Not Tested

Calculated Assessment
1: Not Tested

Transient Assessment
1: Not Tested

Figure 1

In the "Ramp State", the intended "State" is selected from the "states" of the "Ramp". Note that because this evaluation is only for the "Ramp" type "States", the first "State" that is as "Normal" type is not shown in this field and from the states of two and three, the "State 2" will be selected for evaluation. In the "condition" column, a condition is specified for evaluation that here, the intended condition is specified as receiving the "Trip" signal from one binary. Also, in the "Signal" column, the intended parameter for evaluation is selected. For example, the "VL1-E" is selected. It means that the "VL1-E" voltage is evaluated when the trip signal is received. If you want to evaluate other signals simultaneously, you have to the right-click, select the "Add" option and create other columns and define another evaluation. Other existing options in the right-click section has been explained in previous videos.

In the "Signal Type" column, you have to set the evaluation to be performed on what parameter of the selected signal. Here, the "Amplitude" is selected. In the "Nom" column, the intended value of the amplitude in the time of term happening is specified. For example, this value is set to be 40 V. in the "Dev+" and "Dev-" columns, the positive and negative tolerances are entered in which can be different from each other. Here, to observe the performance of this section, the positive and negative tolerances of 2 V and 3 are, respectively.

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1	ramp	S3: State 3	C3: Trip 0>1	VL1-E: VL1-E	Amplitude	40.00 V	3.000 V	2.000 V	42.00 V	5.00 %	+	3.39...	399.2 ms	
2											+			

Figure 2

By running the test, in the time of receiving the "trip 0->1" signal by third binary of the device, the actual value of amplitude of the "VL1-E" signal is shown in the "Act" column in which its deviation from the nominal value in the "Dev" column is about 42. In the "Assessment" column, the evaluation result specifies that if the "Act" value is located in the allowable range i.e. (Nom)-(Dev-) to (Nom)+(Dev+), the assessment result will be "Passed", otherwise it would be "Failed". Here, because the value of 42 is in the range of 37 V to 42 V, this evaluation will be "Passed". In the "T Act" column, the "Trip" signal receiving time is specified and recorded by the device that here, this time is about 3.39 seconds. Also, in the "T Act Final Step" column, the receiving time of the "Trip" signal is recorded from the last step of the "Ramp", which here is about 399.2mili seconds. In addition, if you want to define a "comment" for your assessment, you can enter your intended comment in the "Use Comment" column.

$$(nom)-(Dev-) \text{ to } (nom)+(Dev+)$$

Figure 3

[jg1]Ramp_Assessment_Tab