



VEBKO ONLINE HELP

Overcurrent Quick Test Room

Category	tester
Section	OverCurrent Quick Test Room
Language	English
Generated	2026-10-18

On the Start page of the software, by clicking on „Overcurrent Quick Test“ from „Special Test“ subcategory, enter an environment that is used for overcurrent quick test.

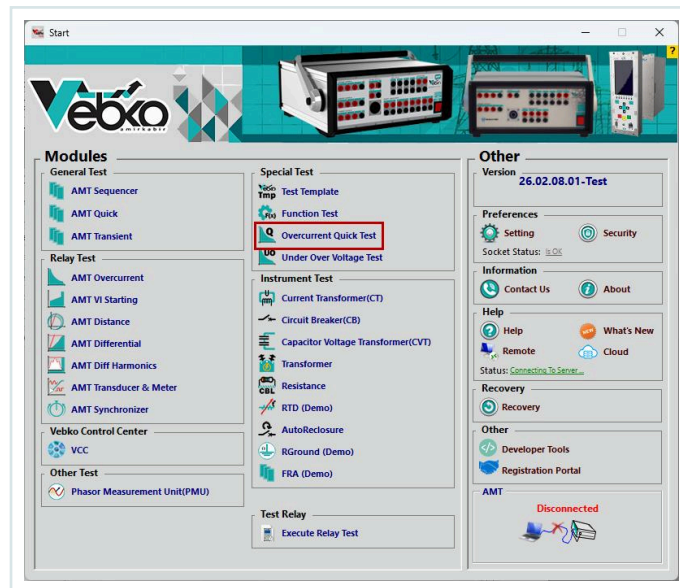


Figure 1

Generally, in this room it is possible to test the overcurrent elements in the shortest time possible by entering the essential settings yet this section is exclusively used to test relays that need a high burden such as electromechanical and disc relays whose pickup and drop-off is measured in accordance with the disc movement. wiring for this test can be viewed on the right side of the page.

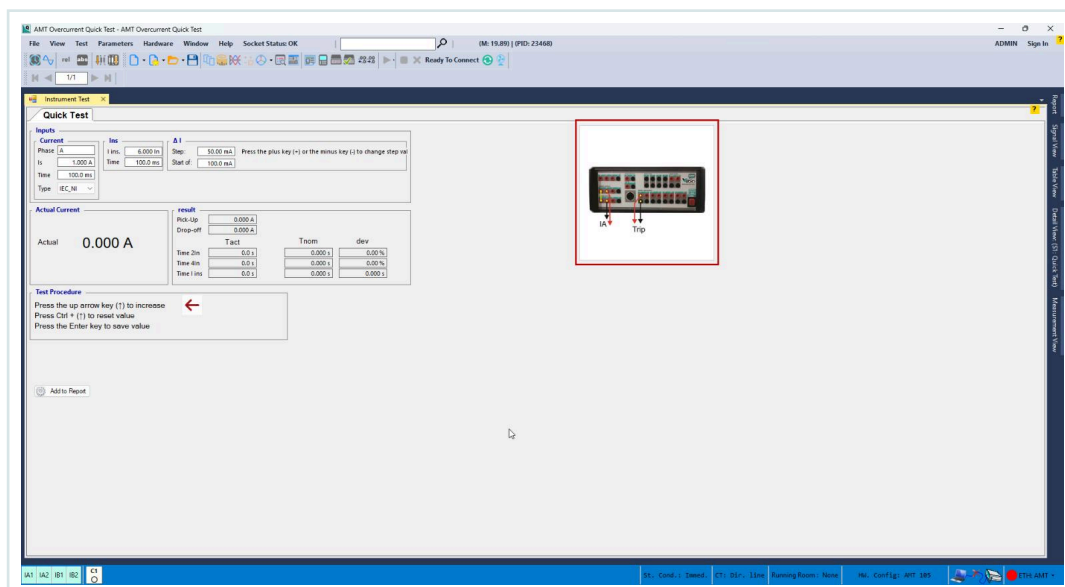


Figure 2

By default, it is possible to access „Report“, „Signal View“, „Detail View“ and „Measurement View“ windows from the bar on the right side of the room; also, if necessary, it is possible to access the

other windows by using the main menu of the software.

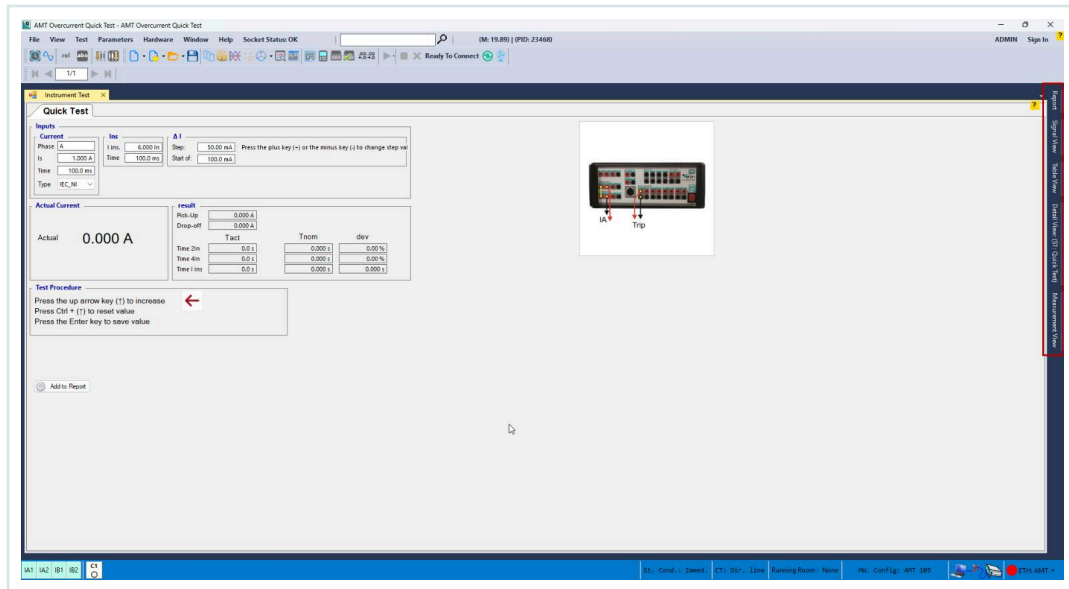


Figure 3

After specifying the phase in „Inputs“ section, the amount of the current setting and the time are entered and the performance curve type is specified. Here CDG11 relay of GEC brand with 0.1 amp as the setting, 0.2 as the performance time and normal inverse as the time characteristic is being tested.

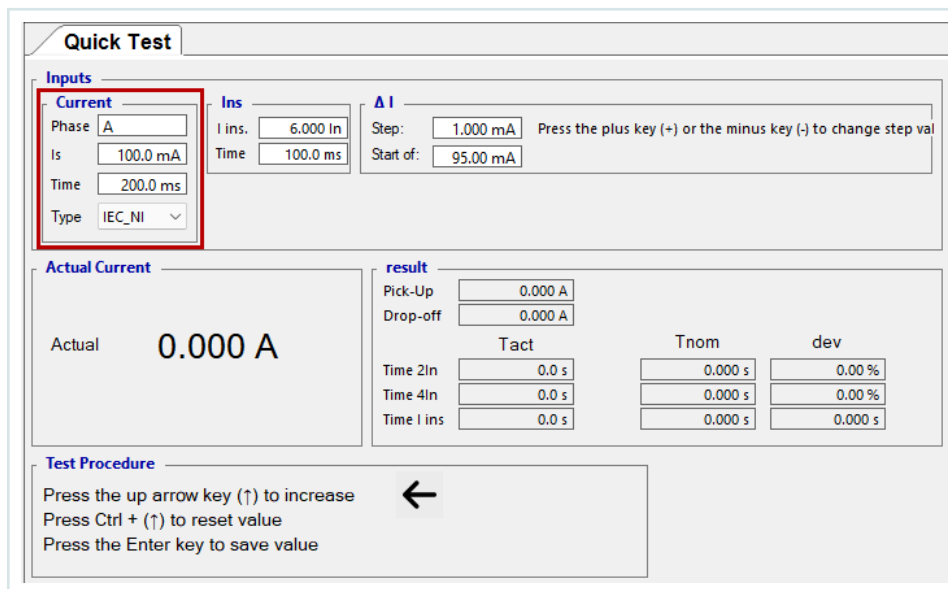


Figure 4

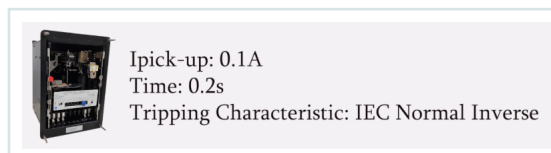
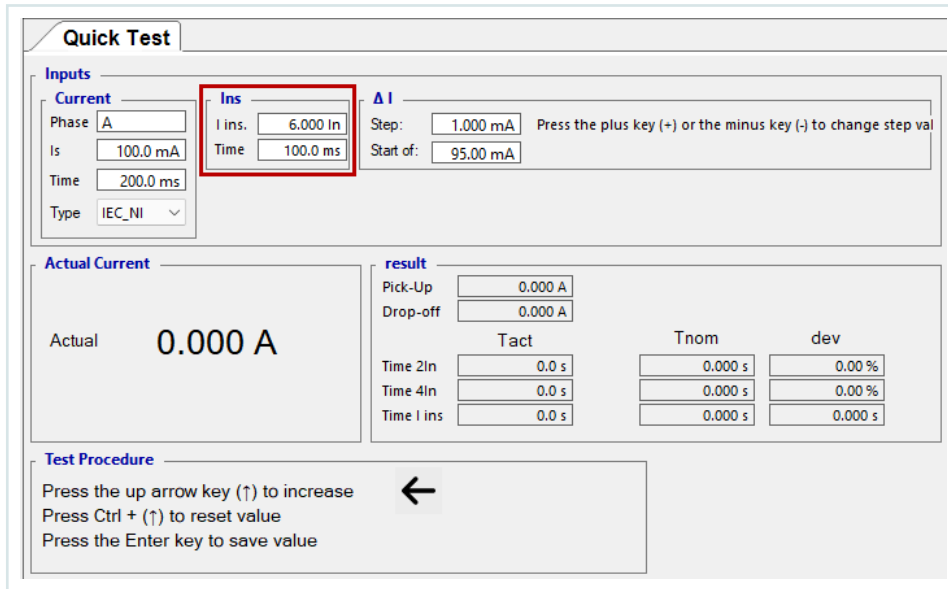


Figure 5

If the „Instantaneous“ unit of the relay is active, it is necessary to enter its amount of the current setting and performance time in Ins section. .



Quick Test

Inputs

Current

Phase: A

Is: 100.0 mA

Time: 200.0 ms

Type: IEC_NI

Ins

I ins: 6.000 In

Time: 100.0 ms

ΔI

Step: 1.000 mA

Start of: 95.00 mA

Press the plus key (+) or the minus key (-) to change step val

Actual Current

Actual: 0.000 A

result

Pick-Up: 0.000 A

Drop-off: 0.000 A

Tact

Time 2In: 0.0 s

Time 4In: 0.0 s

Time I ins: 0.0 s

Tnom

0.000 s

0.000 s

0.000 s

dev

0.00 %

0.00 %

0.00 %

Test Procedure

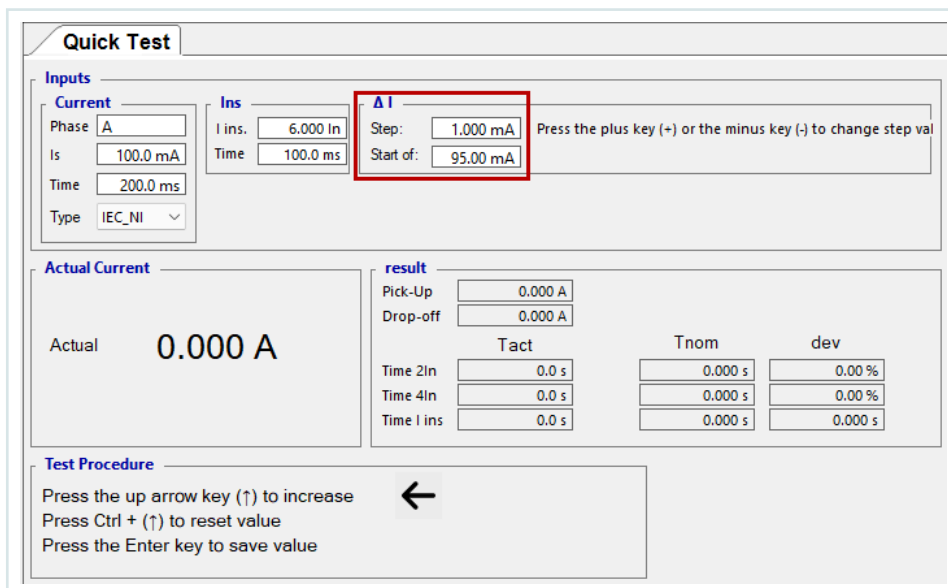
Press the up arrow key (↑) to increase

Press Ctrl + (↑) to reset value

Press the Enter key to save value

Figure 6

In ΔI it is possible to enter the start value of the injected current as well as the increase or decrease step of the current for Pickup and Drop-off tests. In this test, 95 milliamperes is specified as the start value for the injected current and 1 milliampere is entered as the increase step of the injection current. .



Quick Test

Inputs

Current

Phase: A

Is: 100.0 mA

Time: 200.0 ms

Type: IEC_NI

Ins

I ins: 6.000 In

Time: 100.0 ms

ΔI

Step: 1.000 mA

Start of: 95.00 mA

Press the plus key (+) or the minus key (-) to change step val

Actual Current

Actual: 0.000 A

result

Pick-Up: 0.000 A

Drop-off: 0.000 A

Tact

Time 2In: 0.0 s

Time 4In: 0.0 s

Time I ins: 0.0 s

Tnom

0.000 s

0.000 s

0.000 s

dev

0.00 %

0.00 %

0.00 %

Test Procedure

Press the up arrow key (↑) to increase

Press Ctrl + (↑) to reset value

Press the Enter key to save value

Figure 7

The reason behind designing this room is enabling the users to use shortcuts to manage and enhance test speed.

By opening the Table View window, it is possible to view the created states.

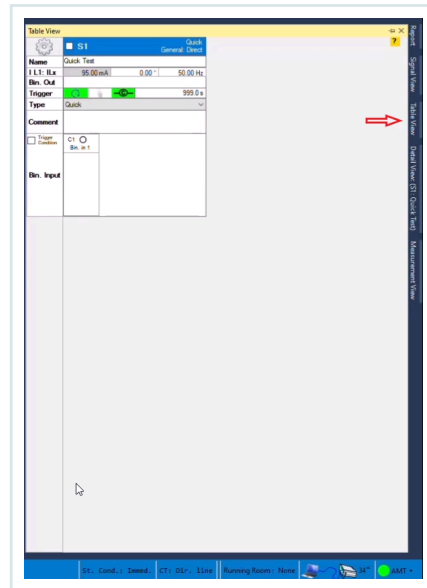


Figure 8

It should be noted that it is possible to adjust the change step of the current using – or + keys during the test.



Figure 9

If the Up arrow key is pressed, the amount of the injected current increases in accordance with the specified step.



Figure 10

By pressing ctrl+↑ combination key, it is possible to reset the amount of the injected current.

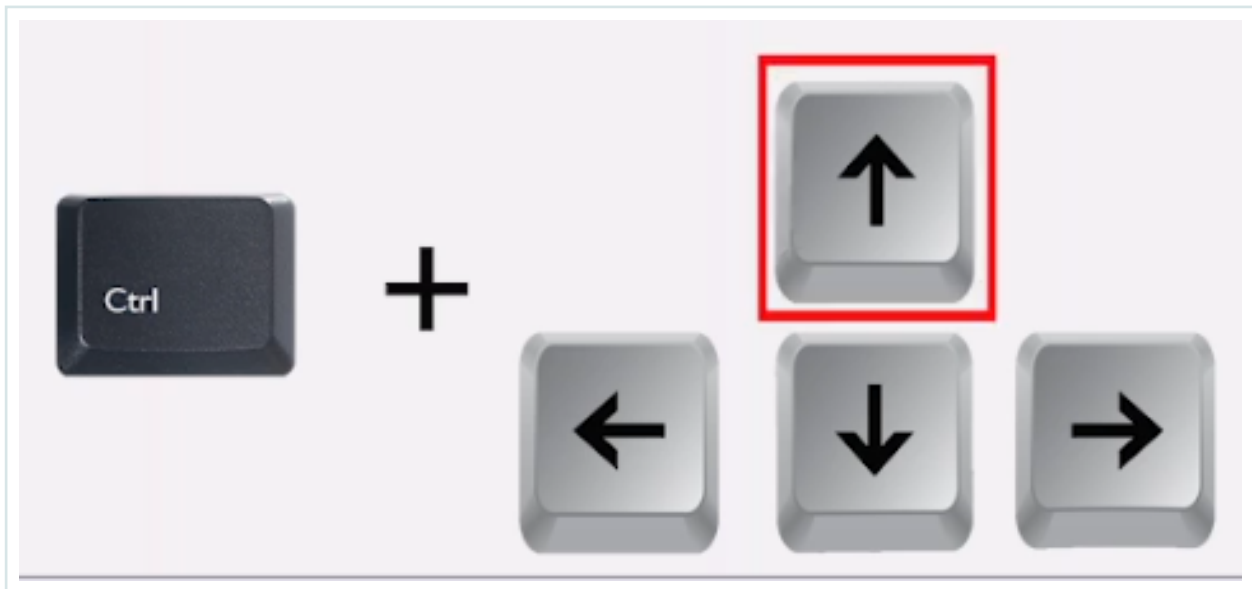


Figure 11

In the end, by pressing Enter key, the obtained values are saved.

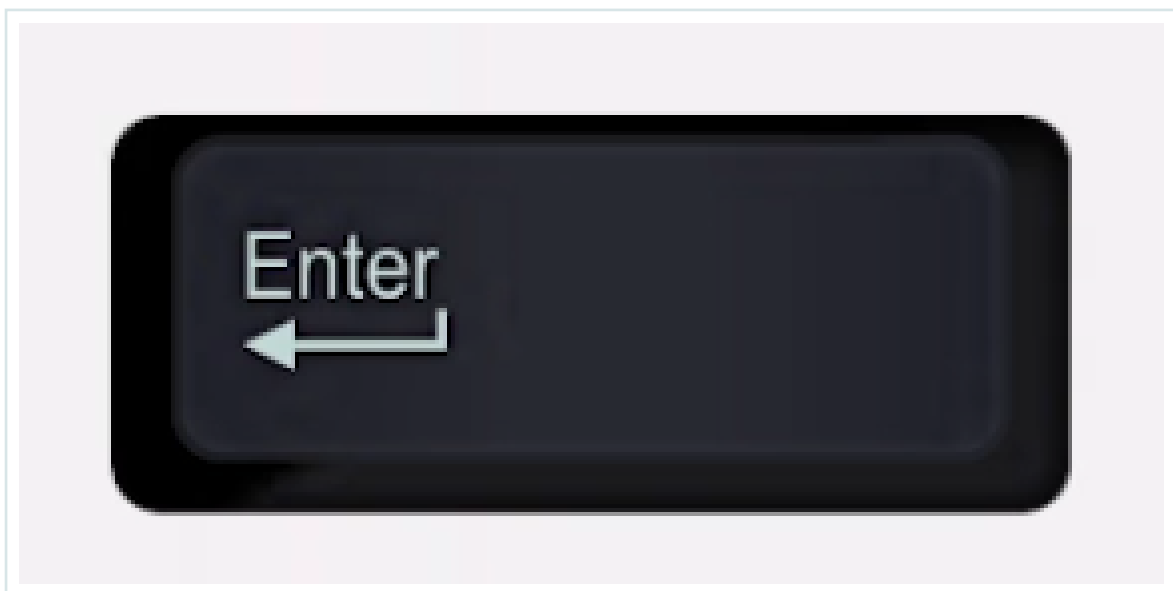


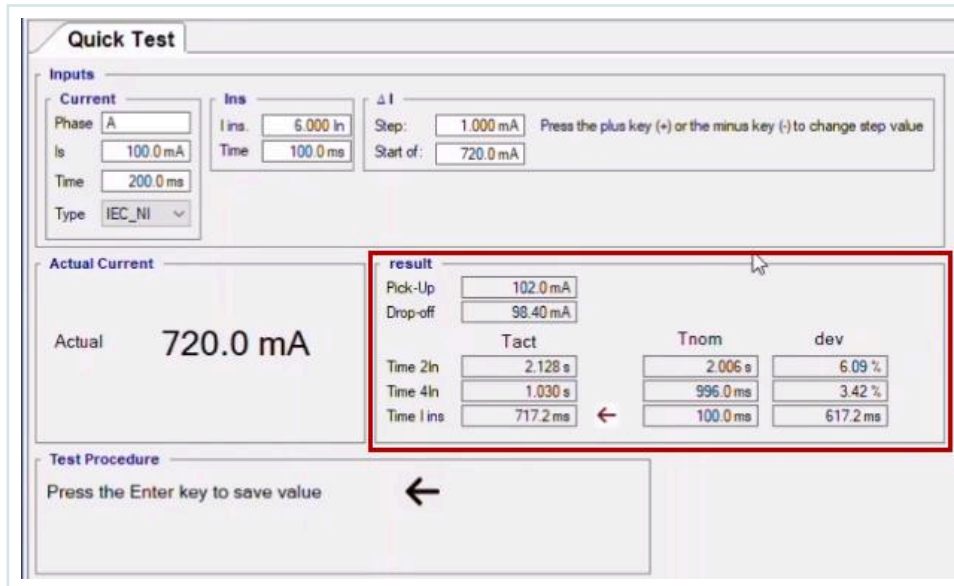
Figure 12

Now view the actual value of the injected current in „Actual Current“ section.



Figure 13

Also, in the result section, pickup and drop-off current values, tripping time in 2 and 4 times the pickup current and the instantaneous performance time along with the error value are recorded.



Quick Test

Inputs

Current: Phase A, Is 100.0 mA, Time 200.0 ms, Type IEC_NI

Ins: I ins 6.000 In, Time 100.0 ms

ΔI: Step: 1.000 mA, Start of: 720.0 mA

Press the plus key (+) or the minus key (-) to change step value

Actual Current

Actual 720.0 mA

result

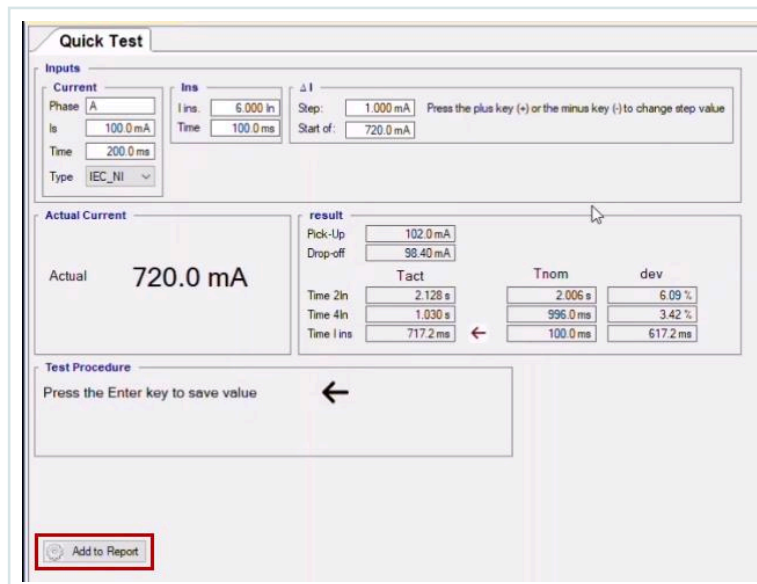
Pick-Up	102.0 mA
Drop-off	98.40 mA
Tact	
Time 2In	2.128 s
Time 4In	1.030 s
Time I ins	717.2 ms
Tnom	2.006 s
dev	6.09 %
	996.0 ms
	100.0 ms
	617.2 ms

Test Procedure

Press the Enter key to save value

Figure 14

Finally, after doing the test, it is necessary to add the results of the evaluation to the report which is done by selecting “Add to Report”.



Quick Test

Inputs

Current: Phase A, Is 100.0 mA, Time 200.0 ms, Type IEC_NI

Ins: I ins 6.000 In, Time 100.0 ms

ΔI: Step: 1.000 mA, Start of: 720.0 mA

Press the plus key (+) or the minus key (-) to change step value

Actual Current

Actual 720.0 mA

result

Pick-Up	102.0 mA
Drop-off	98.40 mA
Tact	
Time 2In	2.128 s
Time 4In	1.030 s
Time I ins	717.2 ms
Tnom	2.006 s
dev	6.09 %
	996.0 ms
	100.0 ms
	617.2 ms

Test Procedure

Press the Enter key to save value

Add to Report

Figure 15

Also, if you wish to add specific parts of the evaluation to the report or delete or edit the report, you need to use “Add to Report” cog. By clicking on this cog, the items that can be added to the “Report”

are displayed as checked checkboxes and if you wish any of them not to be added to the report, simply uncheck the intended checkbox.

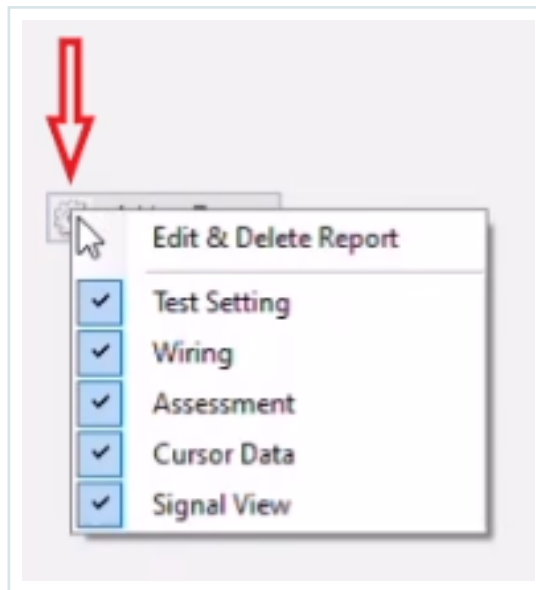


Figure 16

It should be noted that after doing the tests, the results are not automatically added to the report and after doing every test, it is necessary to manually add the results of the performed test to the report by pressing “Add to Report” before Clearing the test.

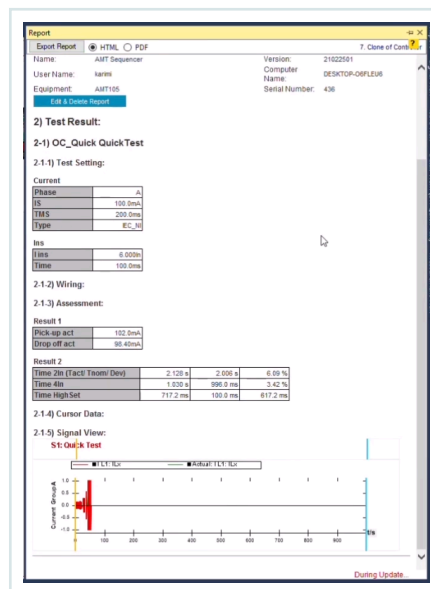


Figure 17

[jg1]Overcurrent_quick_test_room