


This software has various useful utility such as analyzing, saving and managing of each data as well as parameter setting for controlled operations.



IMADA-SS SOFTWARE

# SOFTWARE

\* Design, appearance and specifications may be changed for modifications or improvements without any prior notice.

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※ SV-55CB type used the designated software “Facirec”. This can measure the load data only.

1. Capable of processing data of “Tensile”, “Compression”, “Bending”, and “Peeling” test.
2. During the measurement, you can see the real-time drawing of the curves.
3. Various conditions for tests can be set from the PC side, and the measurement start and end can be executed from it as well. Because the condition setting is synchronized both on the testing machine and the PC, changes and / or updates of the condition can be done on either device.
4. Data management can be carried out in several ways, such as saving the superimposed graphs from the same work in one file or in separate files.
5. By registering initially, the measurement data is to be automatically processed.
6. An operation processing result, and the graph data file can be automatically saved.
7. Each result and data can be saved as text file and graph can be converted to BMP form. So by using commercial software, the results can be output in a preferable layout or style.
8. The calculation result or the statistic data can be checked any time, since those are displayed at the bottom of graph screen.

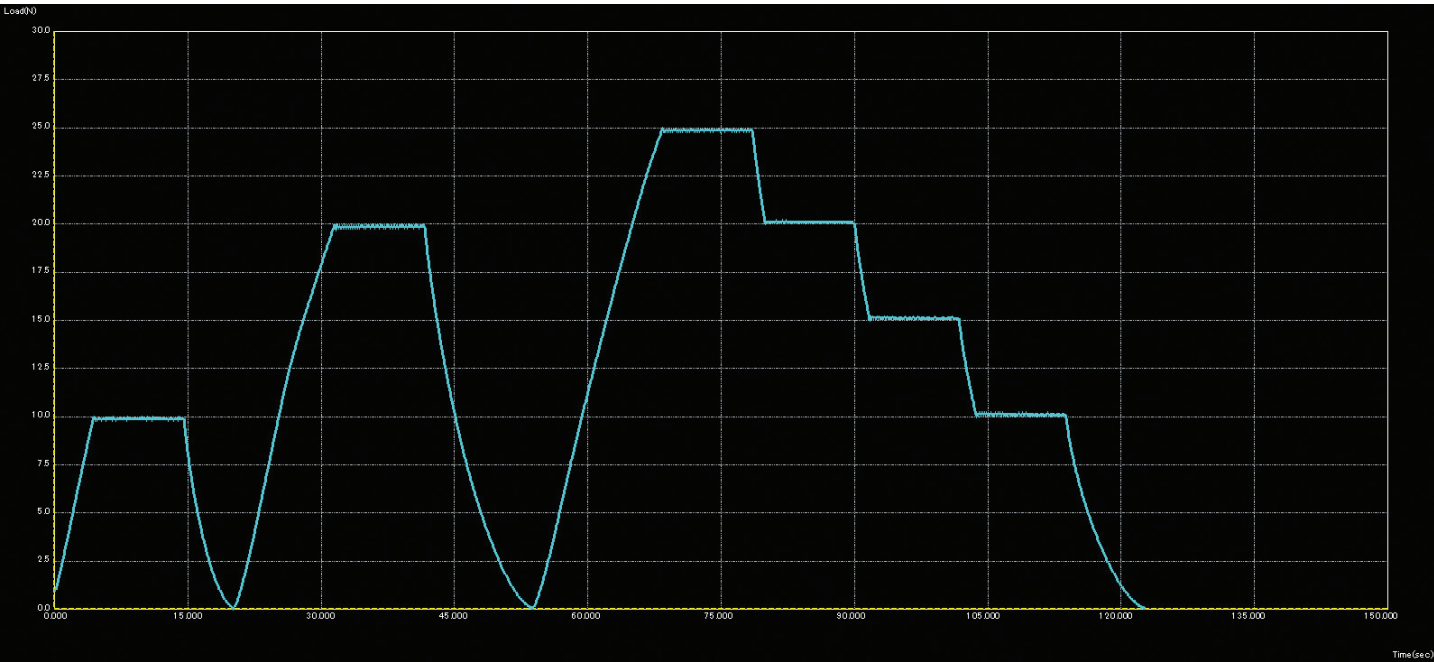
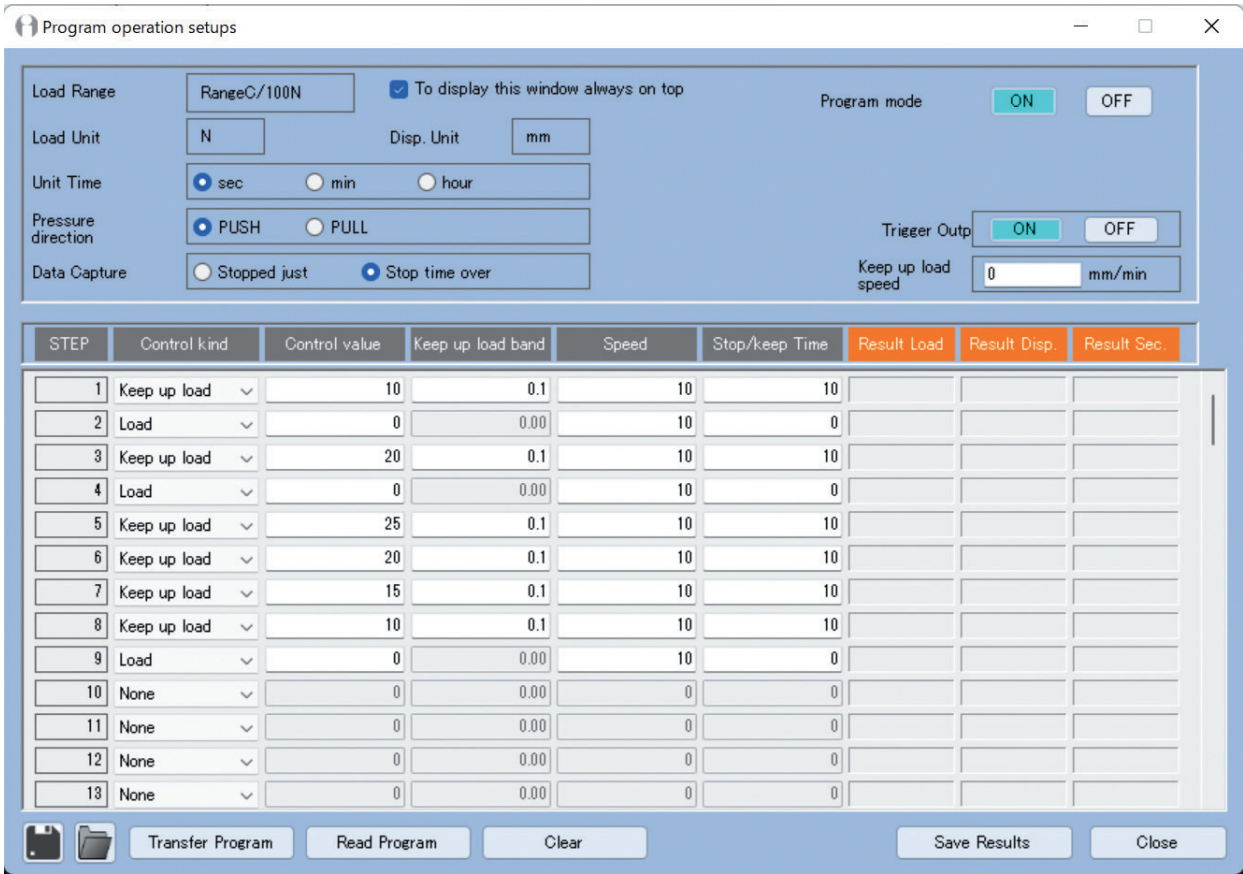
(A) Graph	①The color for background and data lines, etc. can be set arbitrary.
	②Enlargement of the graph can be done by clicking directly with mouse.
	③Function to let the screen-scale automatically widen or scroll.
	④Function to superimposed plural data. (※1)
(B) File	①The parameters of conditions and various processing can be saved / read with a specific file.
	②Measured data can be saved automatically into a specified folder.
	③Measured value (load / displacement / time) are able to be saved automatically into a specific folder.
	④The value of calculation results can be saved automatically into a specific folder.
(C) Setting / Measurement	①Function to synchronize various conditions of the test and its control with testing equipment.
	②By varying the number of sampling, data measurement process for a long period is possible.
	③With multiple data obtained by cycle operation, only unnecessary data can be deleted.
(D) Calculation / Result	①Value of the load / displacement / time (Peak, Bottom, and Yield point).
	②Computing process of stress-strain, elongation rate and energy at status mentioned above (D -1). (※2)
	③Computing process of the elastic slope, modules of elasticity and proof stress.
	④Result of peeling examination; peeling load, strength, peak / bottom as well as average of max, and min, point.
	⑤Extraction of data for load, displacement or time at an arbitrary point.
	⑥Processing the statistic average, the standard deviation as well as the maximum and minimum value from each result.
	⑦Graph judgment function to analyze the actual data graph in a specified range.
	⑧Function to detect the multiple peak values in the one examination. (consecutive measurement function)
	⑨Average graph out of several graphs from measurement can be made. (S-S average graph)
	⑩Comparison process among several data by a particular point. (measurement cursor function)

※1) There is no limit for the numbers of files to be take in, but depending on the size of the data it cannot be displayed.  
 ※2) The calculation of the energy is not for the yield point.

## Additional function software

※Data processing software “ISP-7” is necessary for each option software.

This is for the function to measure the operation with several steps in connection, for every steps specified value for load or displacement can be set. Up to 99 steps are possible to be preset. The “Keep Up Load Function” is also one of the control types and can be set for it. The step can set either plus or minus side (in case of no minus load, load specification is not possible). The result data from each step can be displayed and output at text.





There is the software that can expand its exclusive control function by being used together with data handling software, “ISP-7”.

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Switch feeling test

This is an option for the exclusive use of the feeling test of switches. Each peak and bottom value of the hysteresis can be measured by the exclusive setting item.  
Repeat test can be also performed by setting the required number.

Tester Setup

F-S Test

ON

OFF

Repeat 1 Count

Sensitivity 

ON

OFF

 10 ms

Start Trigger 0.01 N

Turn Load 

ON

OFF

 Upper 3 N

ON

OFF

 Lower 0.00 N

Turn Disp. 

ON

OFF

 Upper 0.00 mm

ON

OFF

 Lower 0.00 mm

Load Multiples 1.5 times

Upper Limit Stop time 0 sec

Lower Limit Stop time 0 sec

Calculate setups

☒ A(Going Curve Peak)

☒ B(Going Curve Bottom)

☒ C(Returning Curve Bottom)

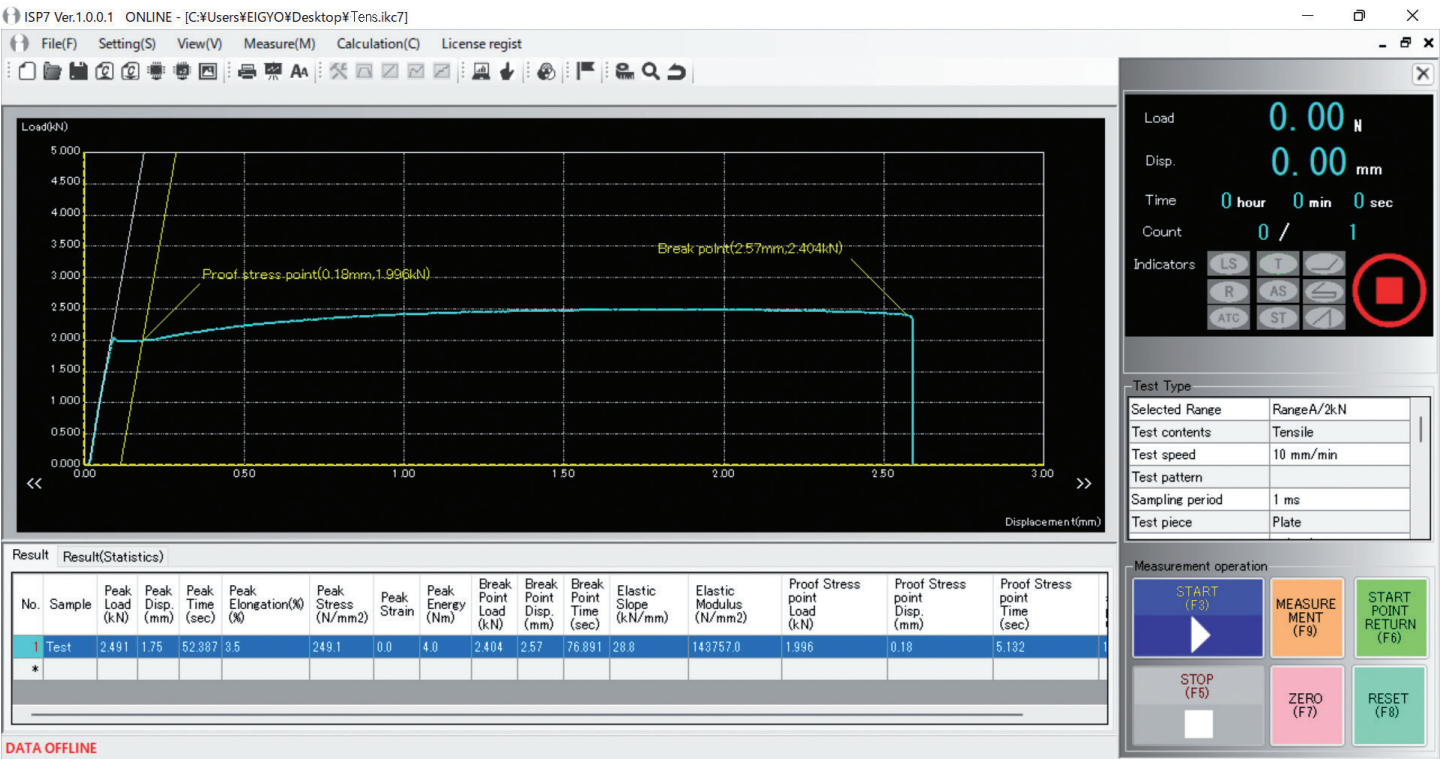
☒ D(Returning Curve Peak)



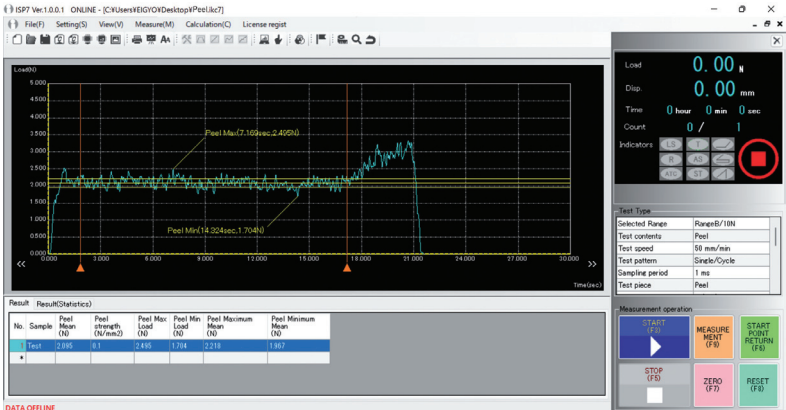
OK

Apply

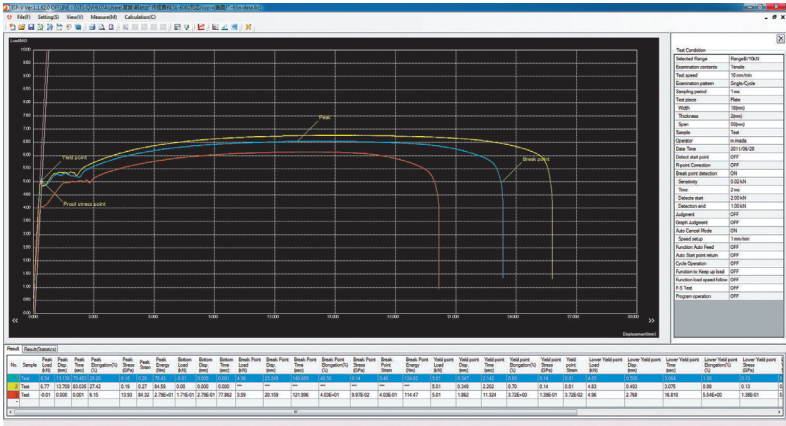
Cancel



S-S Graph



Peel test



Superimposed data graph

Software operation environment

- Operation System Windows 10/11
- PC composition CPU Core i5~ / Memory 8GB~ Recommend HDD 500GB~ / USB port 2.0

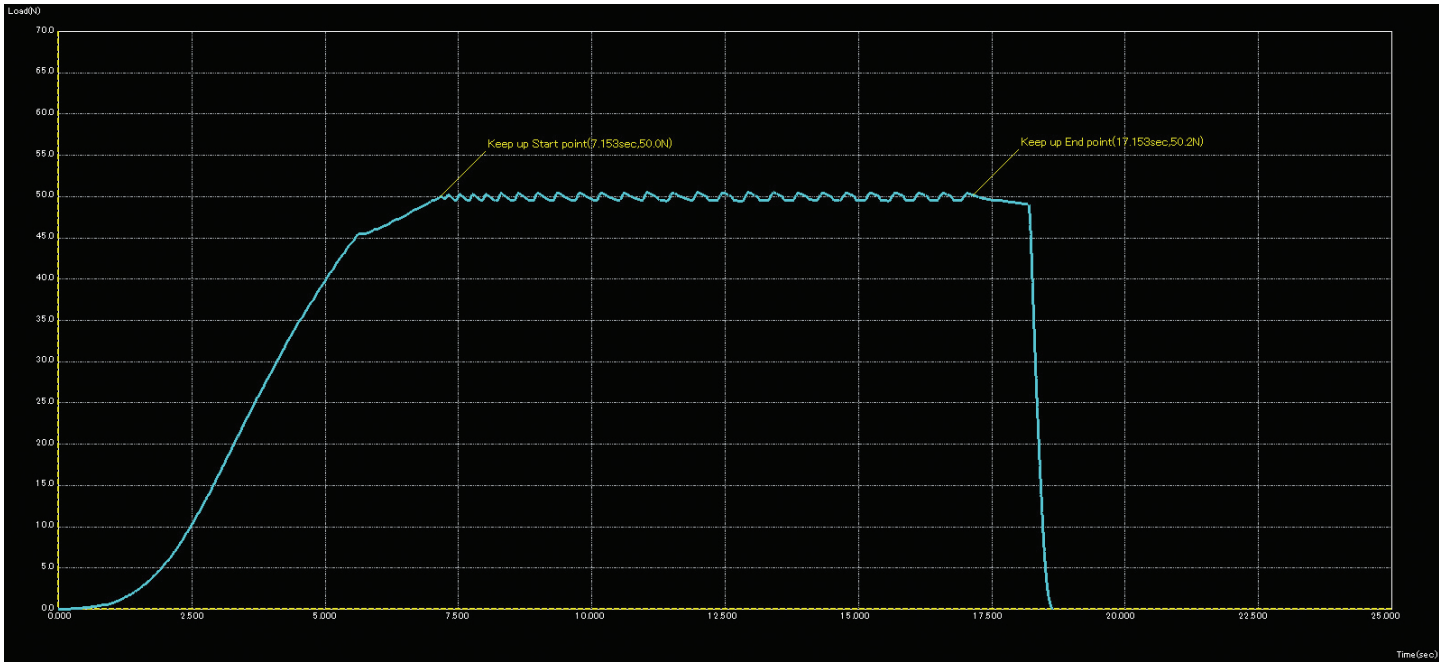
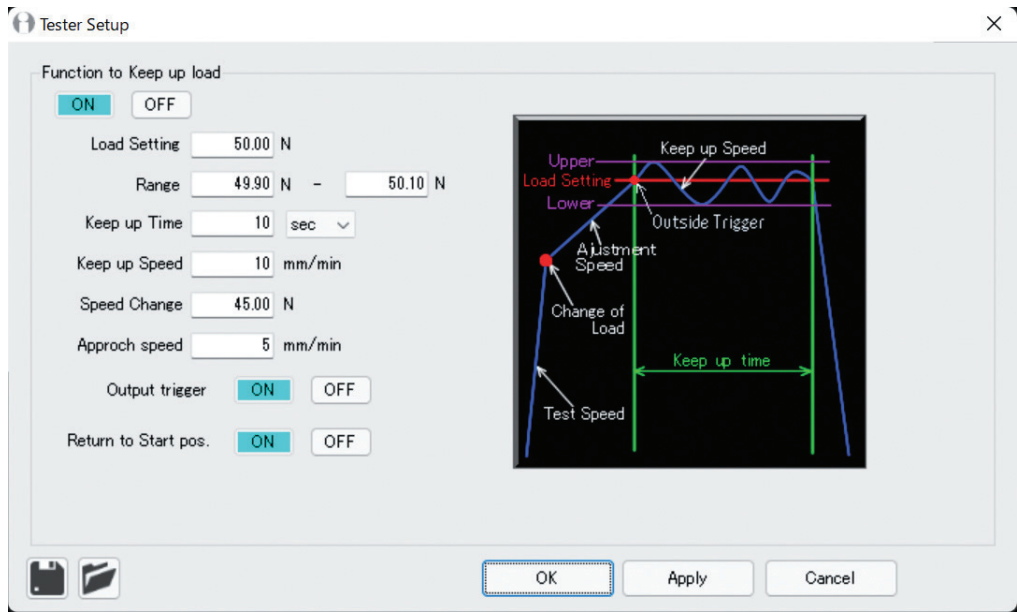
※Windows 10/11 is a trade mark of Microsoft Corporation.

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■Keep up Load function

It is the software to control the operation of the testing machine and maintain the set scope of the required load value at all time.



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■Load speed follow function

Normally for tensile and compression testing machine, the speed of adding load (test speed) is calculated at “○○ mm/min”, which means the displacement amount per time. However for some tests, the examination regulation gives a guideline that the test should be performed at “N/min”, for example, which means the variation amount of load per time. This is the function to maintain the preset variation amount of load per time by adjusting and setting back continuously changing load values.

