KEW Windows for KEW6315
Quick Start Guide

Starting *KEW Windows for KEW6315*

Environmental requirements

System requirements:

- CPU : Pentium 4 1.6GHz or more
- Memory : 1Gbyte or more
- OS : Please refer to version label on CD case about Windows os.
- HDD : 1Gbyte or more
  (including size of .NET Framework redistributable package)
  (Hard-disk space required)
- CD or DVD drive : For installing applications
- Display : 1024 x 768 dots, 65536 colors or more

Recommended system:

Pentium processor of 2GHz or more

Starting *KEW Windows for KEW6315*

Without connecting PC and KEW6315:

[Data Analysis (P.6)]

is available.

STEP 1

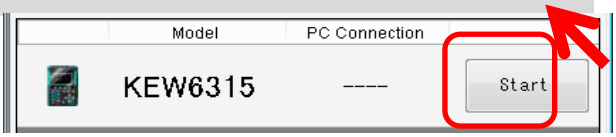
Start *"KEW Windows".*

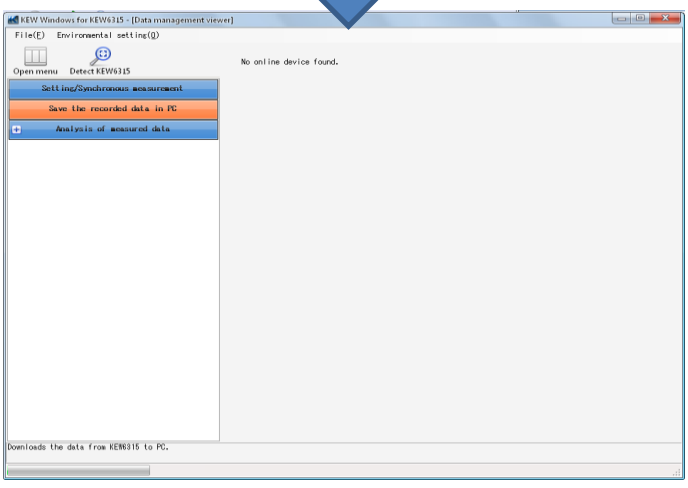
1 Double-click the short-cut icon on the desktop, or
click *"Start" -> "All programs" -> "KEW" -> "KEW WindowsV2".*

STEP 2

Start *"KEW Windows for KEW6315" .*

1 Click the *[Start]* button for KEW6315.





Starting *KEW Windows for KEW6315*

With PC and KEW6315 connected:

[Data Analysis (P.6)]
[Saving data to PC (P.38)]
[KEW6315 Setting (P.46)]
[Real-time Measurement (P.52)]
are available.

STEP 1

Connect KEW6315 and PC.

1 Connect KEW6315 and PC with the USB cable.

2 Turn on KEW6315.

STEP 2

Start *"KEW Windows"*.

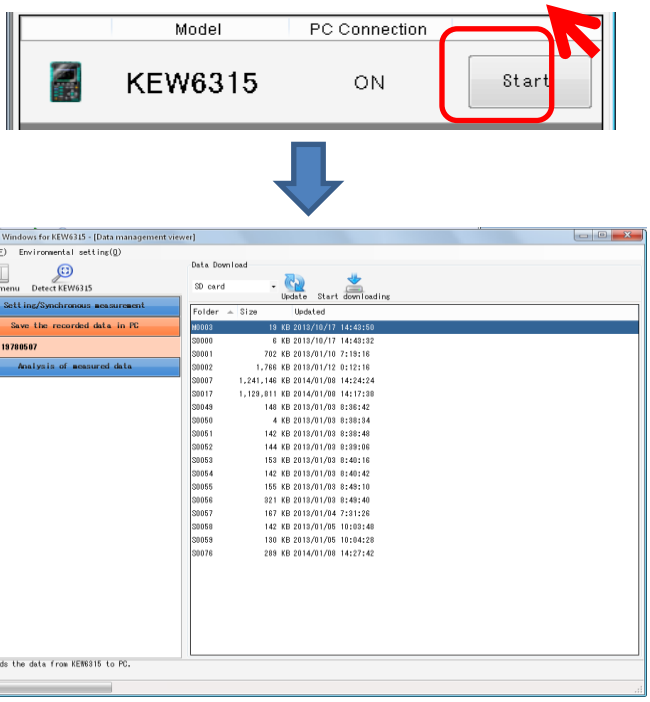
1 Double-click the short-cut icon on the desktop, or
click *"Start"* -> *"All programs"* -> *"KEW"* -> *"KEW WindowsV2"*.

Starting *KEW Windows for KEW6315*

STEP 3

Start *"KEW Windows for KEW6315"* .

1 Click the *[Start]* button for KEW6315.



If *"ON"* is not displayed for the connected status although KEW6315 is being connected to PC, click *[Re-detect]* .

If *"ON"* is still not displayed, see the "Trouble-shooting".

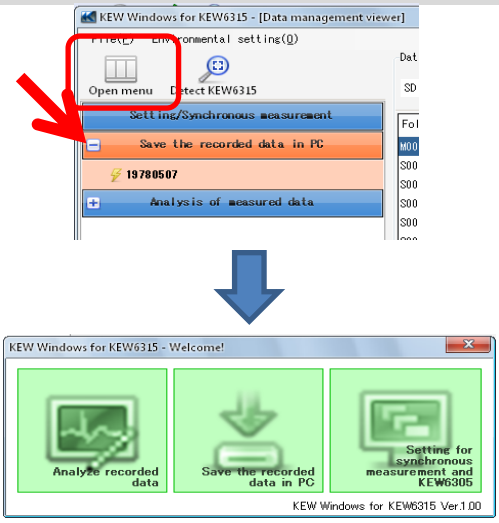
Data Analysis

Analysis of data stored in KEW6315

STEP 1

Open the Menu

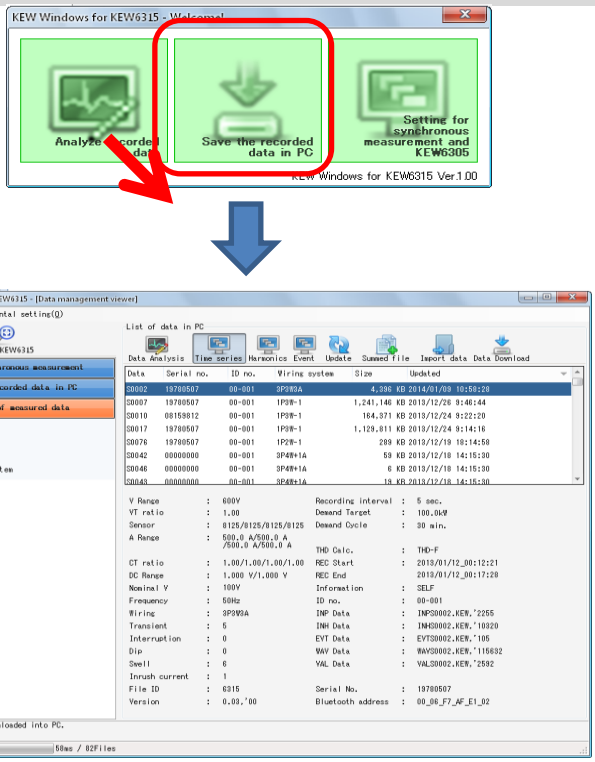
1 Click the *[Open menu]* icon on the *"Data management viewer"*.



STEP 2

Show the list of data stored in PC

1 Click the *[Analyze recorded data]* icon.

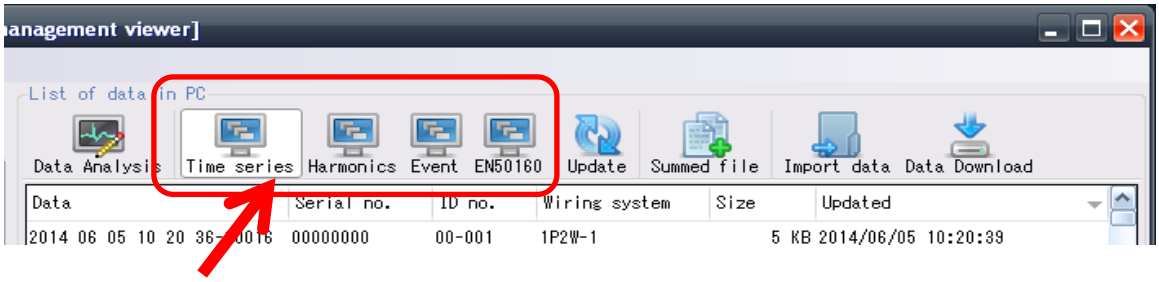


Data Analysis

STEP 3

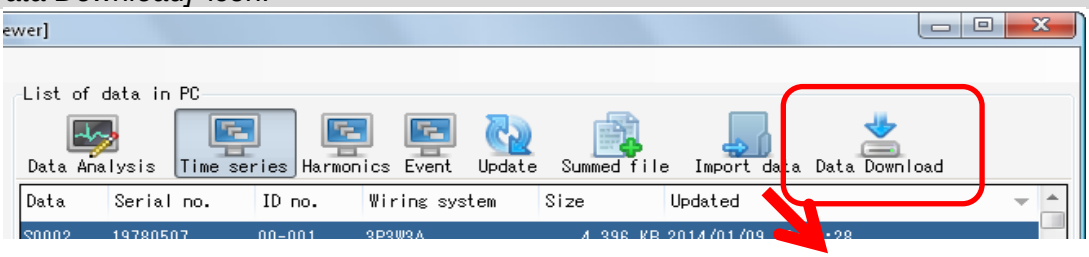
View the data stored in KEW6315

1 Select the items to be analyzed.

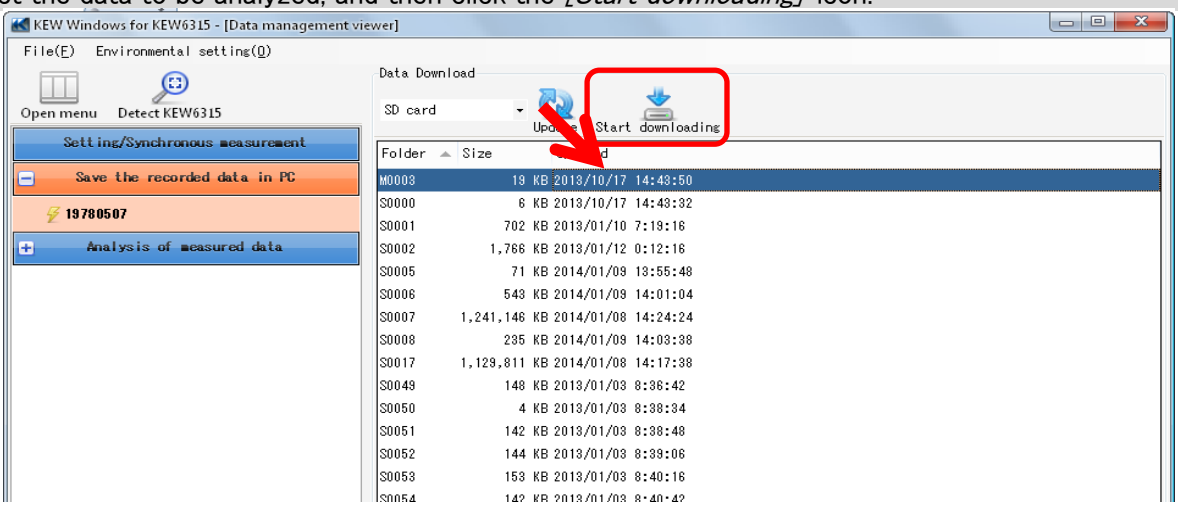


[Time series] ...For Power data Analysis
[Harmonics] ...For Harmonics data Analysis
[Event] ...For Power Quality Event data Analysis
[EN50160] ...For data analysis according to EN50160

2 Click the *[Data Download]* icon.

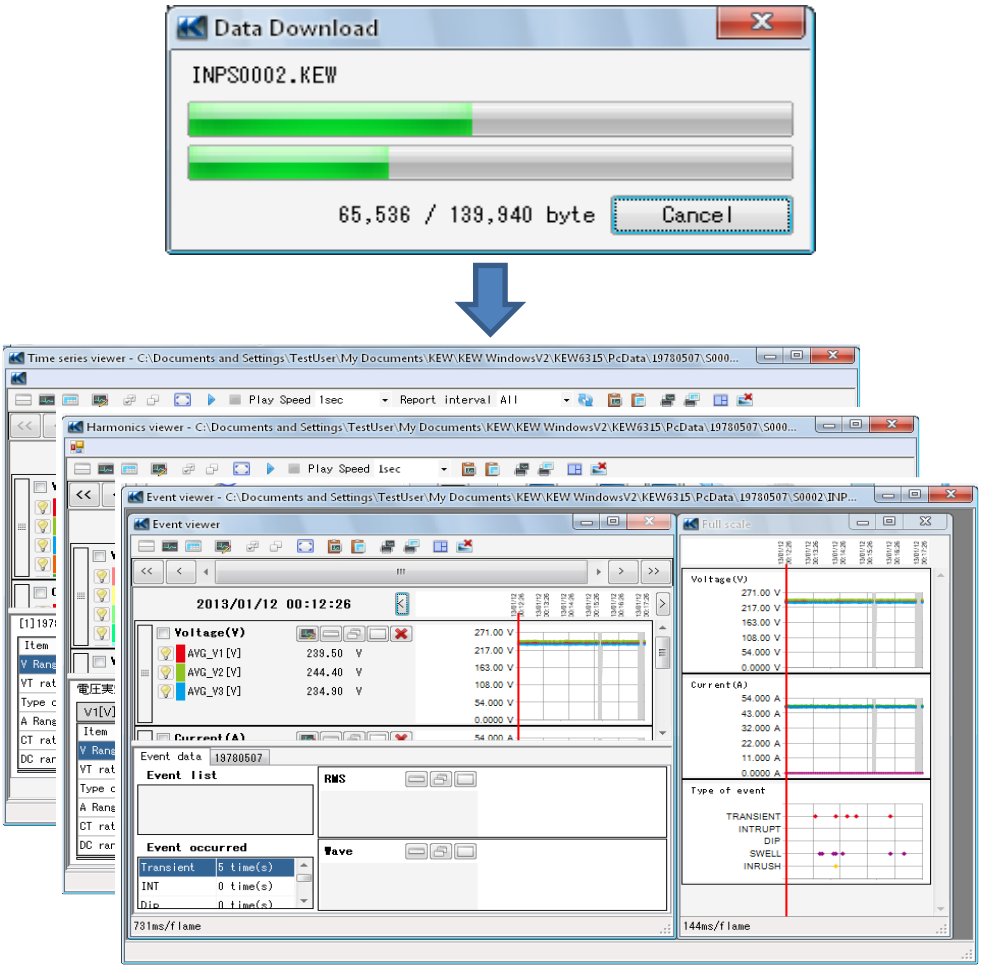


3 Select the data to be analyzed, and then click the *[Start downloading]* icon.



Data Analysis

4 Data Analysis Window will appear when data download to PC completes.



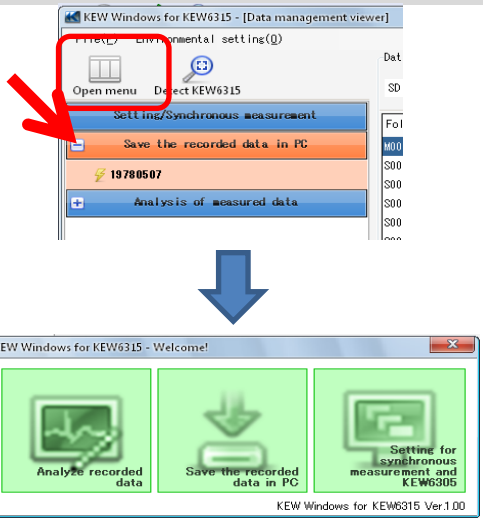
Data Analysis

Analysis of downloaded data

STEP 1

Open the Menu

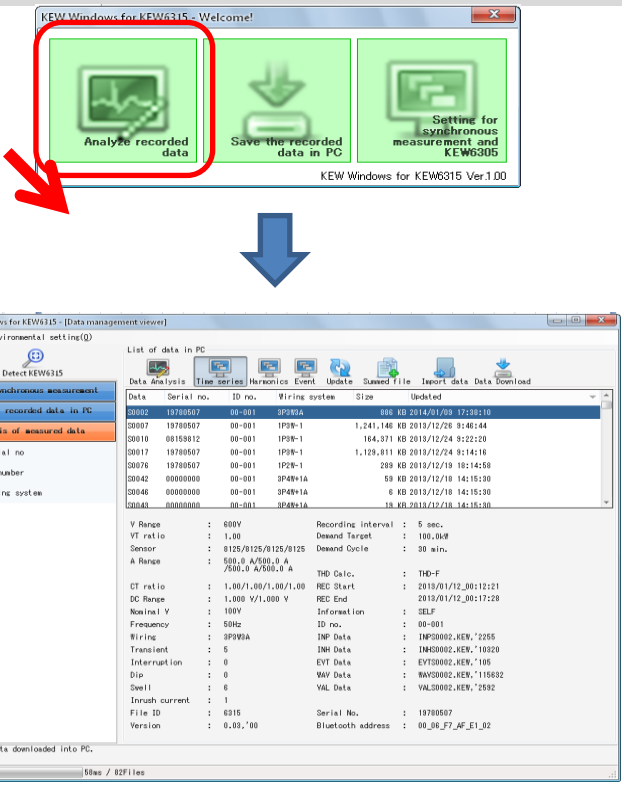
1 Click the *[Open menu]* icon on the *"Data management viewer"*.



STEP 2

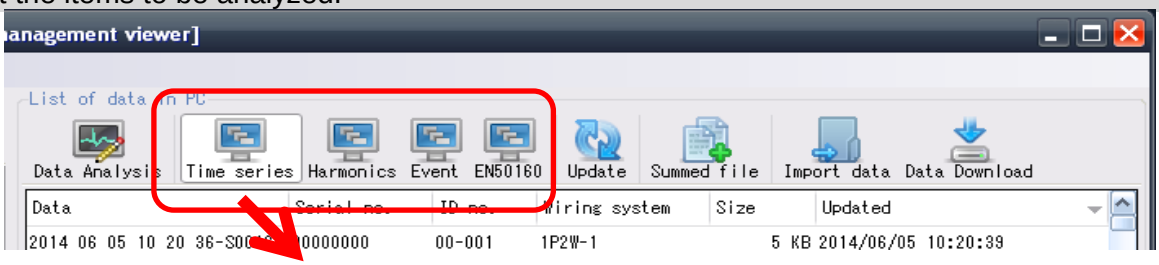
Show the list of data stored in PC

1 Click the *[Analyze recorded data]* icon.



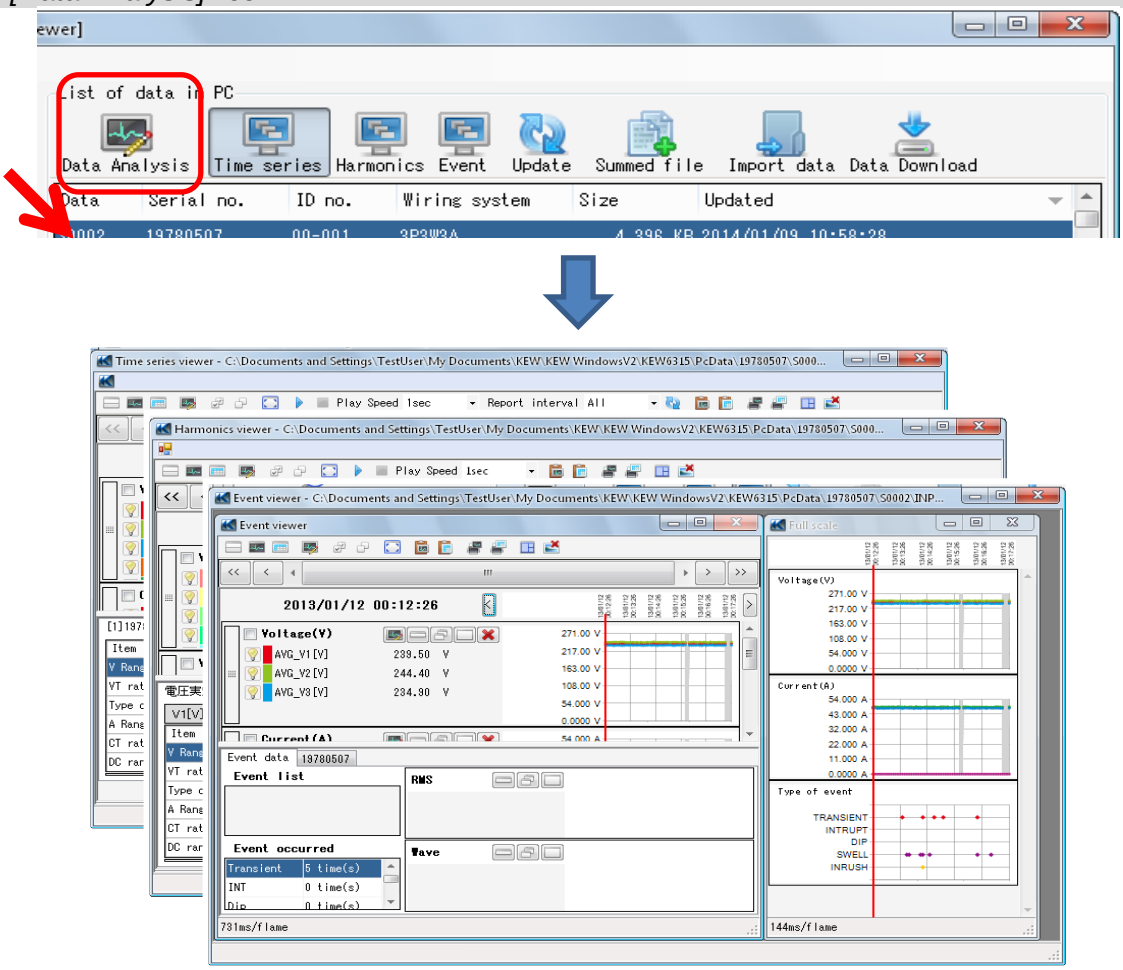
Data Analysis

2 Select the items to be analyzed.



[Time series] ...For Power data Analysis
[Harmonics] ...For Harmonics data Analysis
[Event] ...For Power Quality Event data Analysis
[EN50160] ...For data analysis according to EN50160

3 Click the *[Data Analysis]* icon.

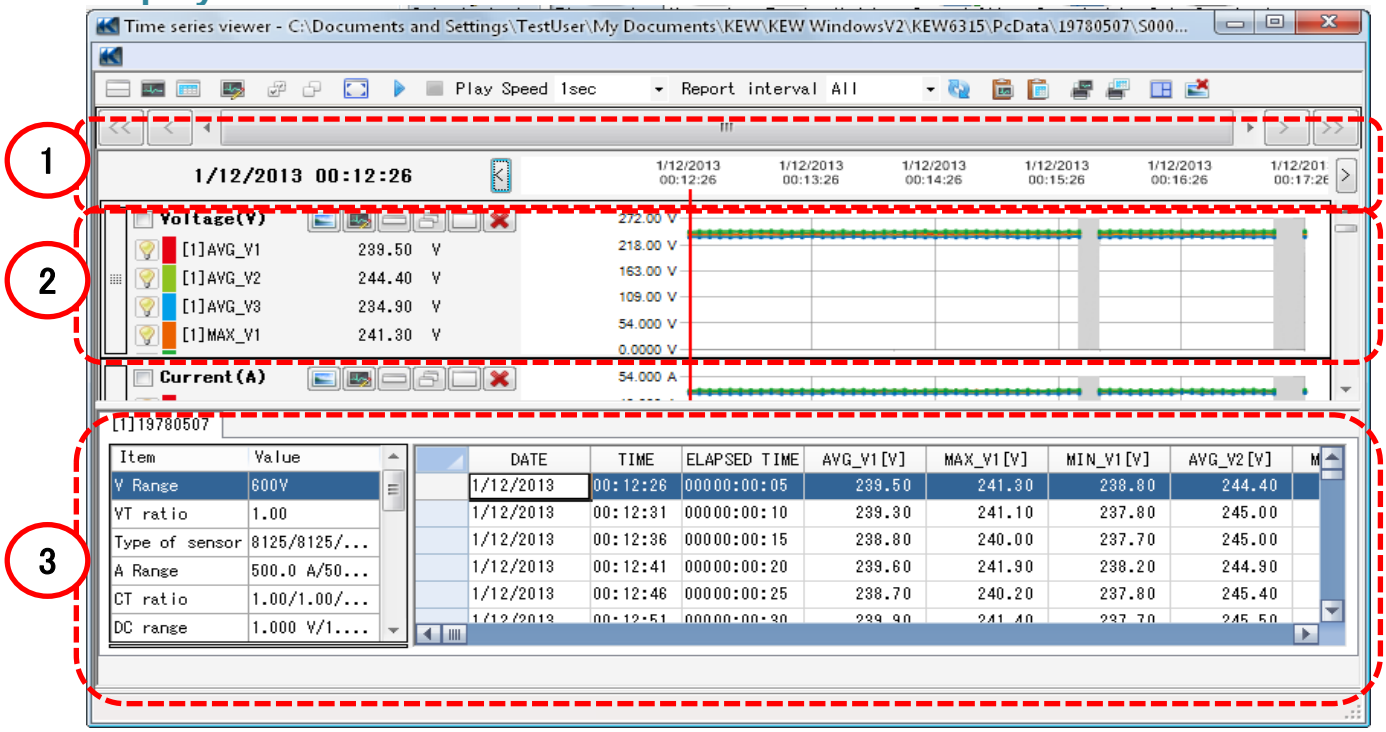


Data Analysis

Power data Analysis

STEP 1

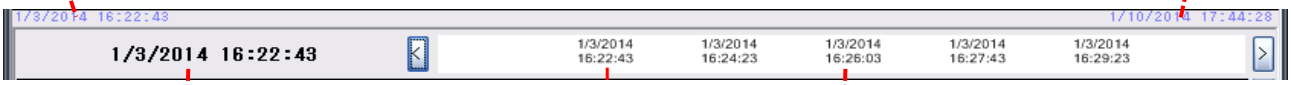
Displayed items



1 Data recorded time

Time when the oldest data recorded

Time when the latest data recorded



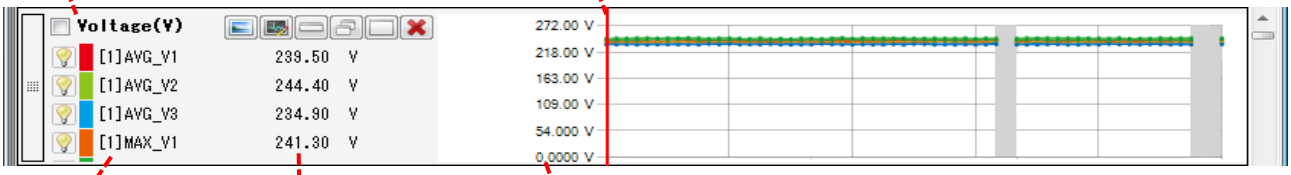
Time for the cursor location.

Time axis on the graph

2 Time Series Graph

Graph Name

Cursor



Parameter

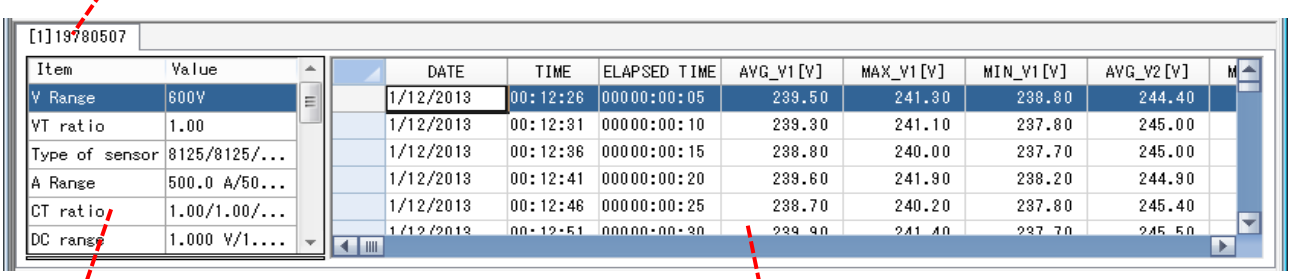
Values where cursor is located.

Measured value axis

Data Analysis

3 Time Series List

Serial no of KEW6315

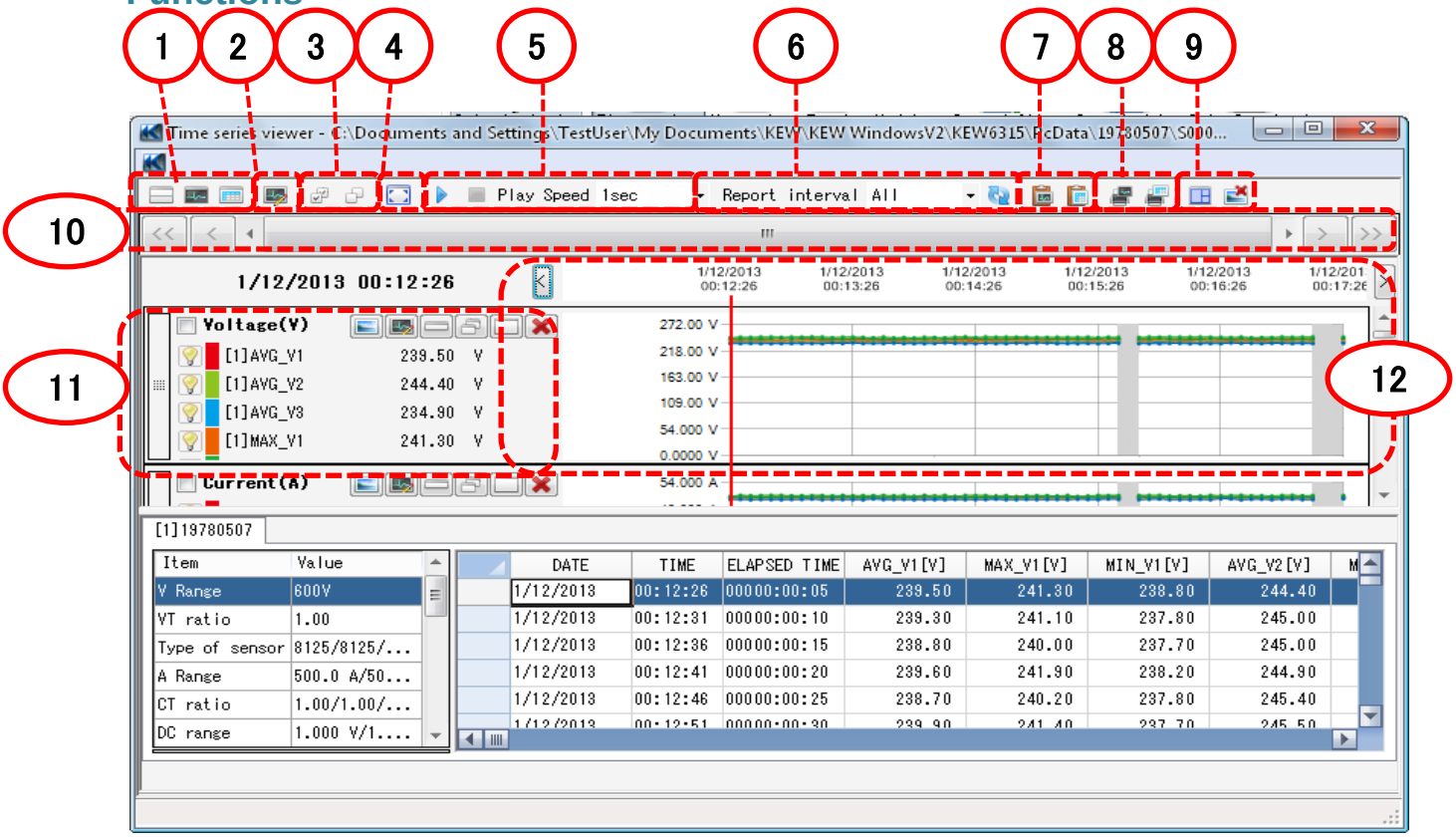


Measurement info

Time Series List

STEP 2

Functions

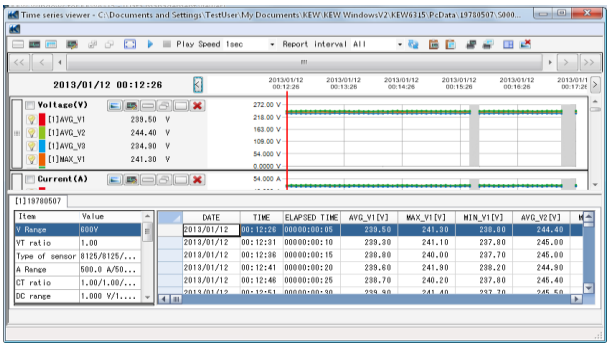


Data Analysis

1 Changing the display layout.

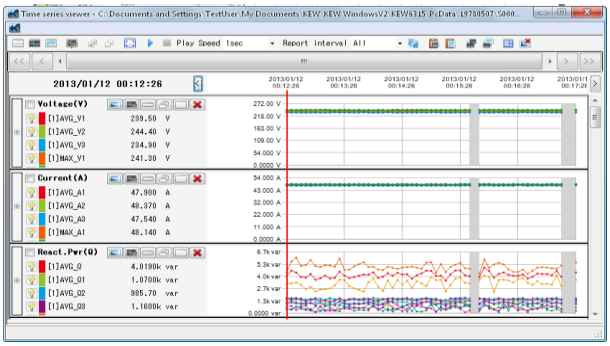
To display graph and list on one screen at the same time:

Split the screen in two sections and display Tme Series graph in the upper area and list data in the lower area.



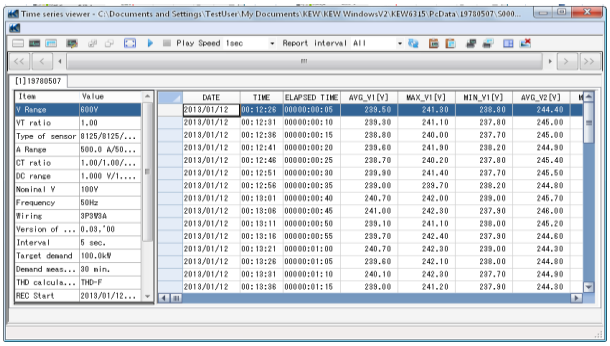
To display graph only

Time Series graphs are arranged and displayed on one screen.



To display list only

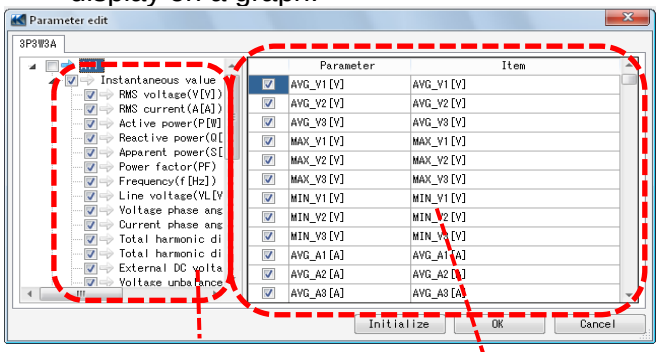
Show the list data on one screen.



2 Switching the displayed graphs

To display the other graphs

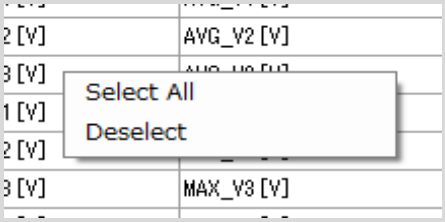
Select the measured data you want to display on a graph.



Check for the graphs to be displayed.

Check for the parameters to be displayed on a graph.

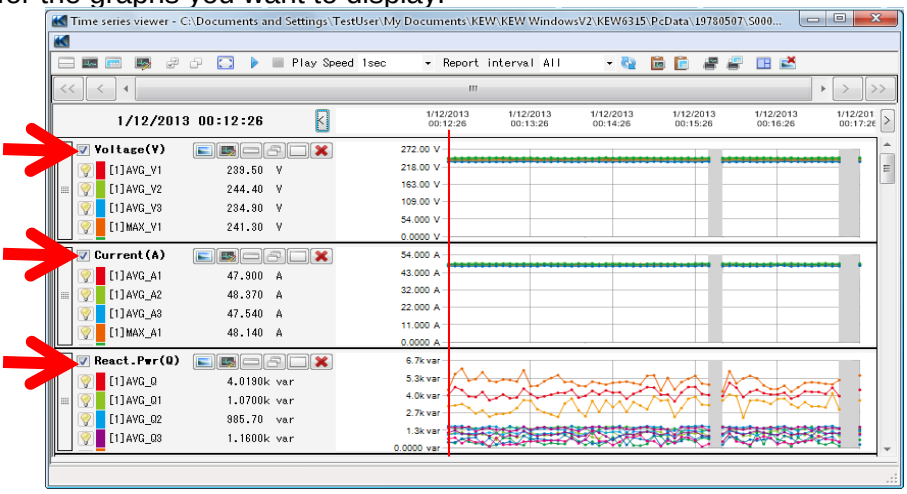
Right-click on the item list to select all items or diselect the selected items.



3 Select/ Un-select the graphs

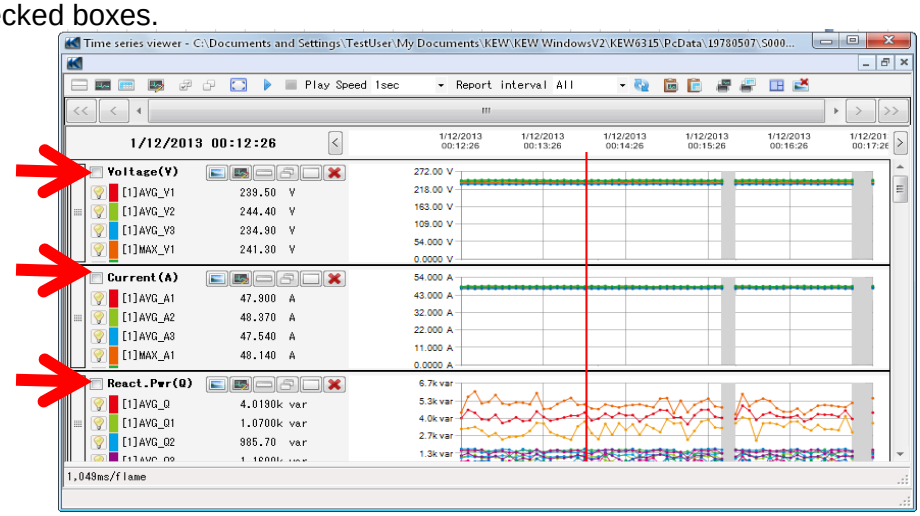
To select all the graphs

Check all the boxes for the graphs you want to display.



To unselect all the graphs

Uncheck all the checked boxes.

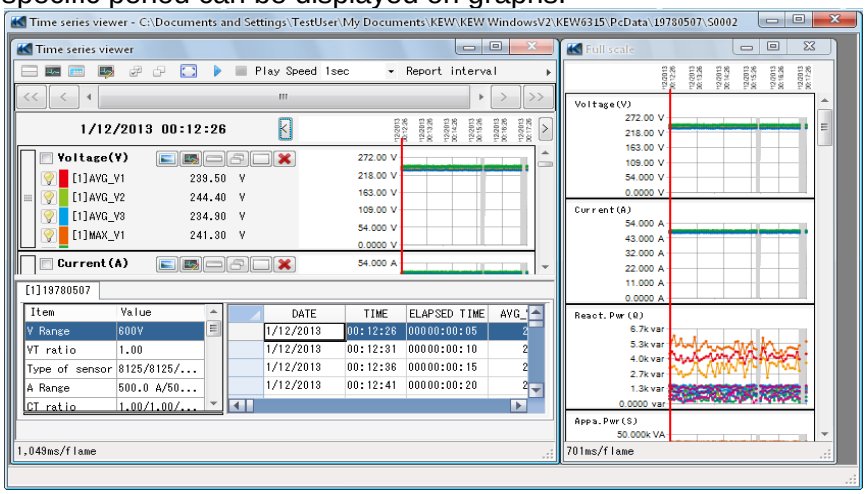


Data Analysis

4 Displaying graph in full-scale

To display the selected graphs in full-scale.

All data recorded in the specific period can be displayed on graphs.

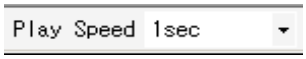


*Depending on the size of the recorded data,
it may take a long time to create full-scale data.

5 Enabling auto-scrolling.

Start auto-scrolling.

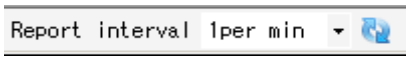
Stop auto-scrolling.



To change the auto-scrolling speed.

Cursor moves in the specified speed automatically.

6 Changing the report cycle.



To change the report cycle

Change the data display interval

Ex.

There is a data file recorded every second. When changing the report cycle of this file to "1 min", the data can be checked in the following time ticks.

Actual data	**After changing the display interval**
Elapsed time	Elapsed time
0000:00:01	0000:01:00
0000:00:02	0000:02:00
0000:00:03	0000:03:00
0000:60:00	0000:60:00
Total 3600 data	**Total 60 data**

Data Analysis

7 Copying to clipboard

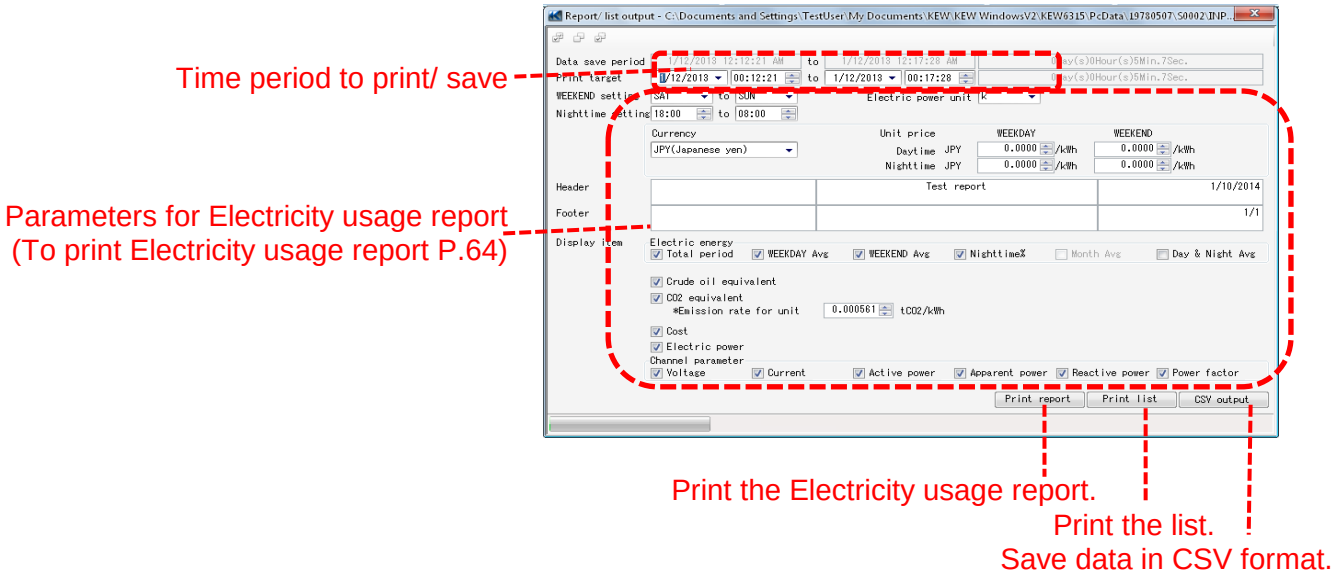
To copy graph:
Copy all the displayed Time Series graphs to the clipboard as an image.

To copy list:
Copy the selected list data to the clipboard with headers for each item as tab-delimitated text data.

8 Printing

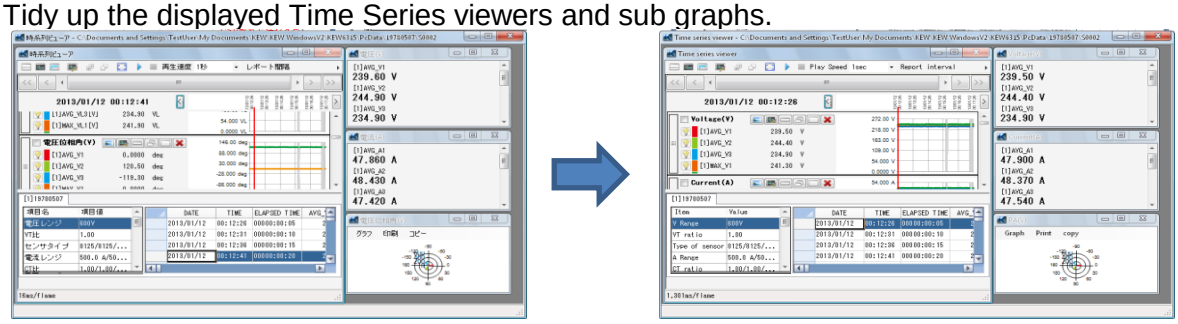
To print graph:
Print all the displayed Time Series graphs.

To print list:
Print reports and lists, or save CSV data of the specified time period.



9 Arranging sub-graphs

To arrange the displayed sub-graphs:
Tidy up the displayed Time Series viewers and sub graphs.



To close all the open sub graphs:
Close all the displayed sub graphs.

10 Scrolling the graph

Slide the cursor to the right and left.

Scroll half of the screen.

Scroll a quarter of the screen.

11 Changing the graph display format

Display sub graph.

Select the items to be displayed on a graph.

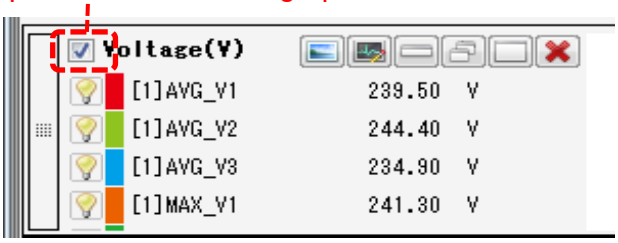
Minimize the graph.

Restore the changed graph size.

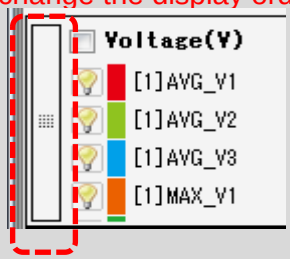
Maximize the graph.

Close graph.

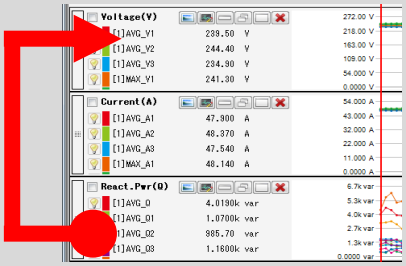
Applied to the selected graph.



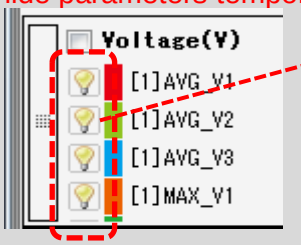
To change the display order:



Drag the left side of the graph and drop it at the desired position to change the order.

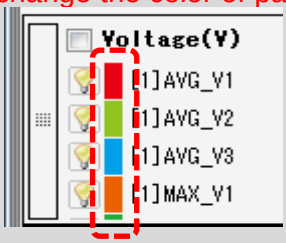


To hide parameters temporary.

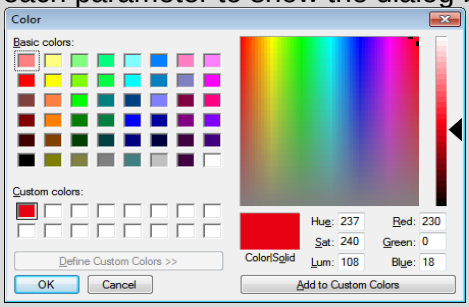


Show
Hide

To change the color of parameter temporally:

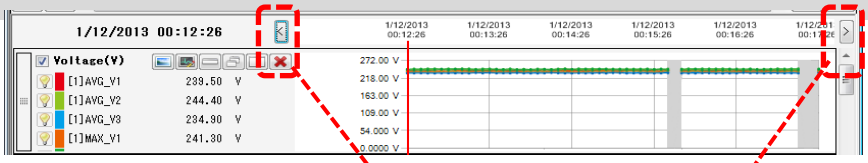


Click the colored boxes for each parameter to show the dialog box for color setting.



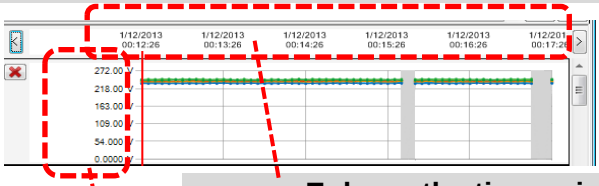
Data Analysis

12 Moving the cursor

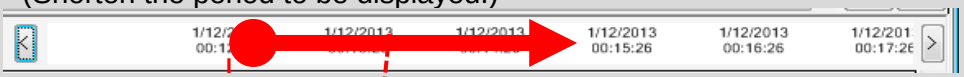


Move the cursor by one interval back and forth.

13 Changing the graph display area

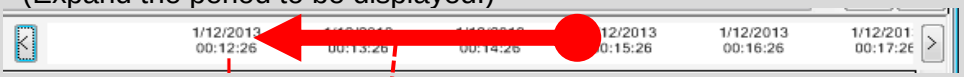


Enlarge the time axis
(Shorten the period to be displayed.)



Click and drag the tick to right.

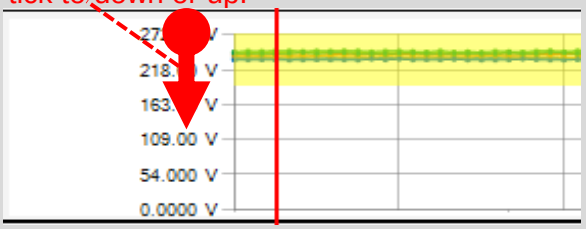
Shorten the time axis
(Expand the period to be displayed.)



Click and drag the tick to left.

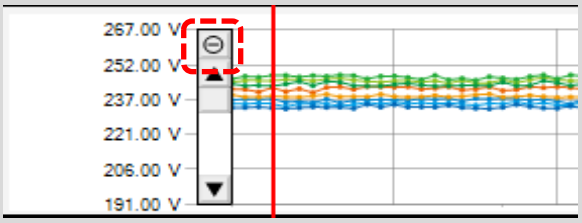
Enlarge the measured value axis

Click and drag the tick to down or up.



* The yellow area will be enlarged.

Restore the enlarged axis to the original scale.

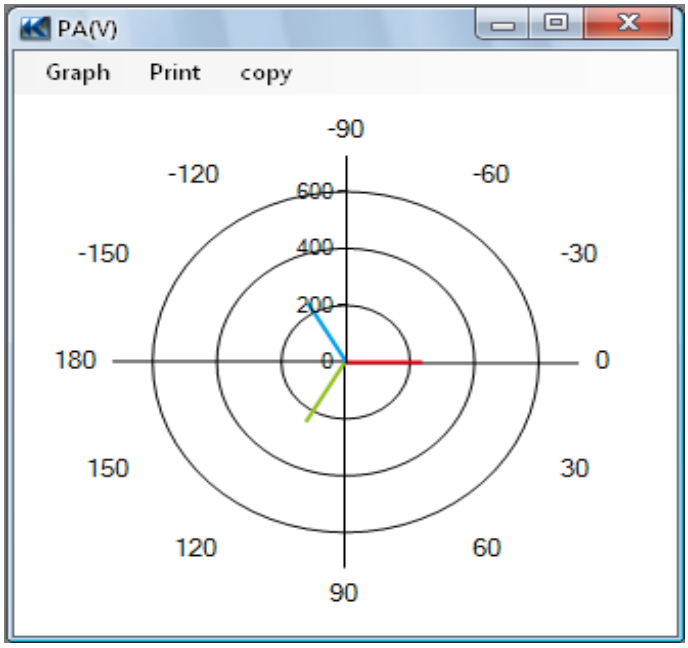


STEP 3

Sub graph display

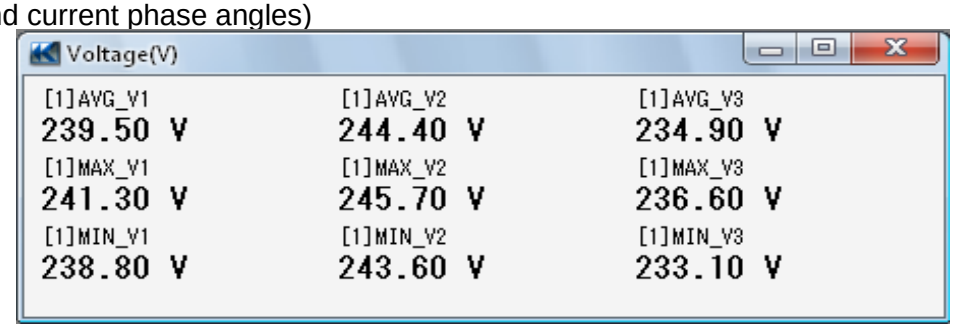
1 Vector Display

Display the rms values and phase angles by vector for the cursor location.
(only the voltage or current phase angles)



2 Cursor value

Display the measured values for the cursor location in the large window.
(except for voltage and current phase angles)

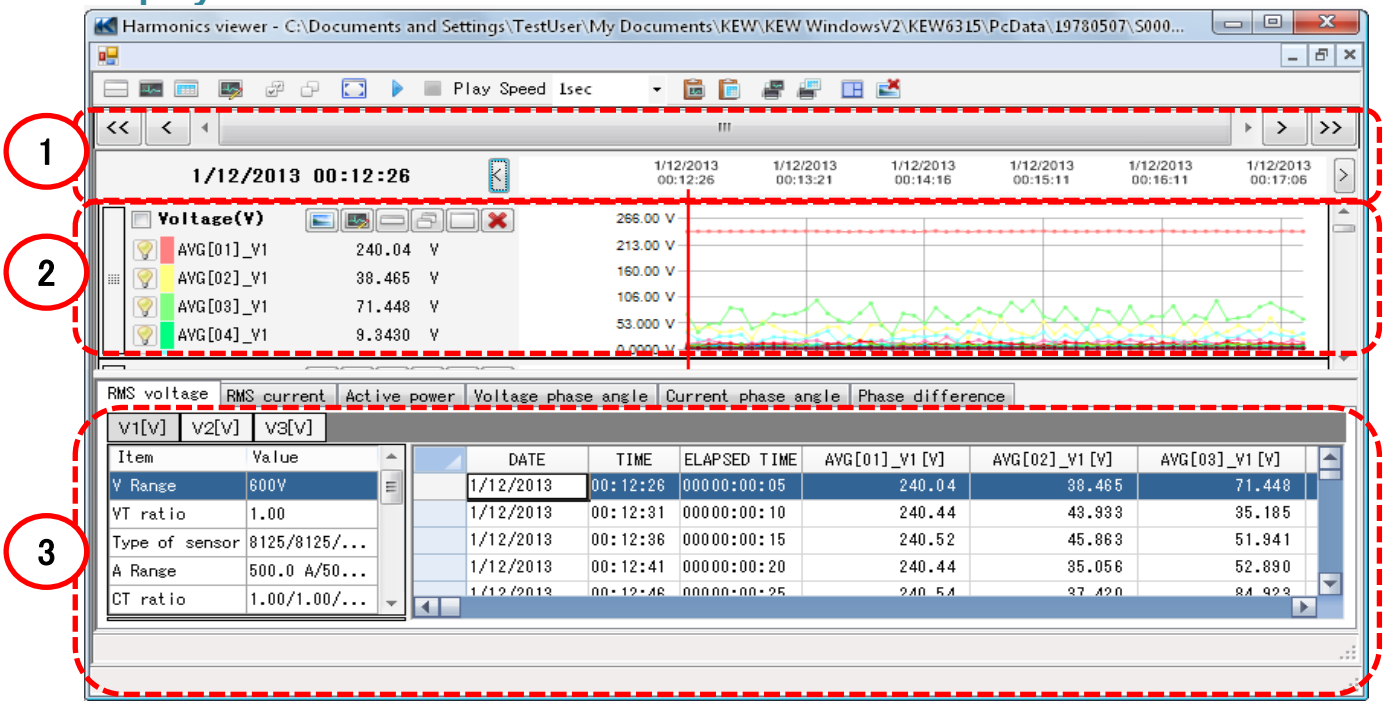


Data Analysis

Harmonics data Analysis

STEP 1

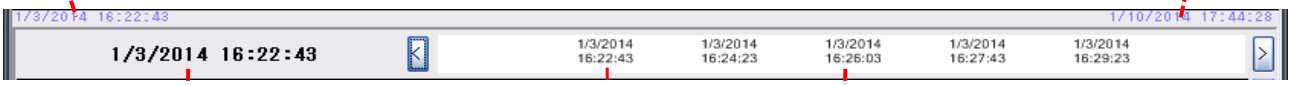
Displayed items



1 Data recorded time

Time when the oldest data recorded

Time when the latest data recorded



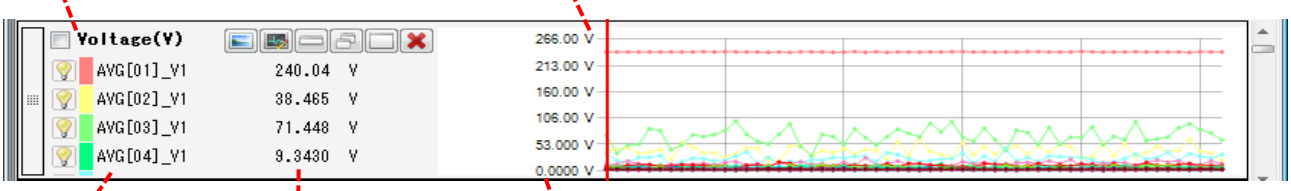
Time for the cursor location.

Time axis on the graph

2 Time Series Graph

Graph Name

Cursor



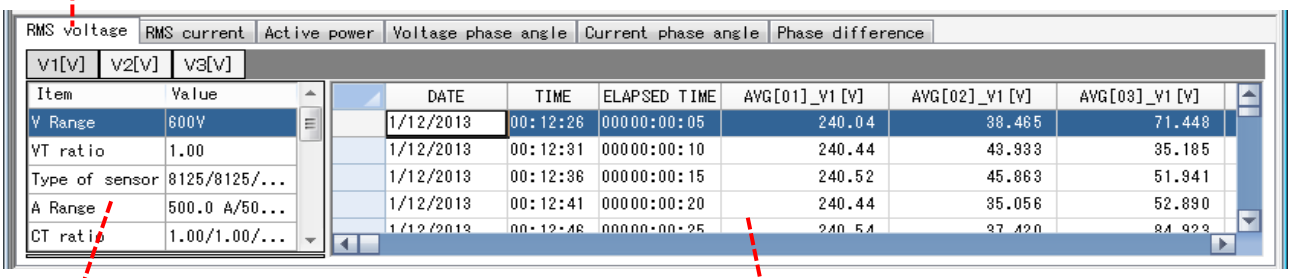
Parameter

Values where cursor is located.

Measured value axis

3 Time Series List

List name

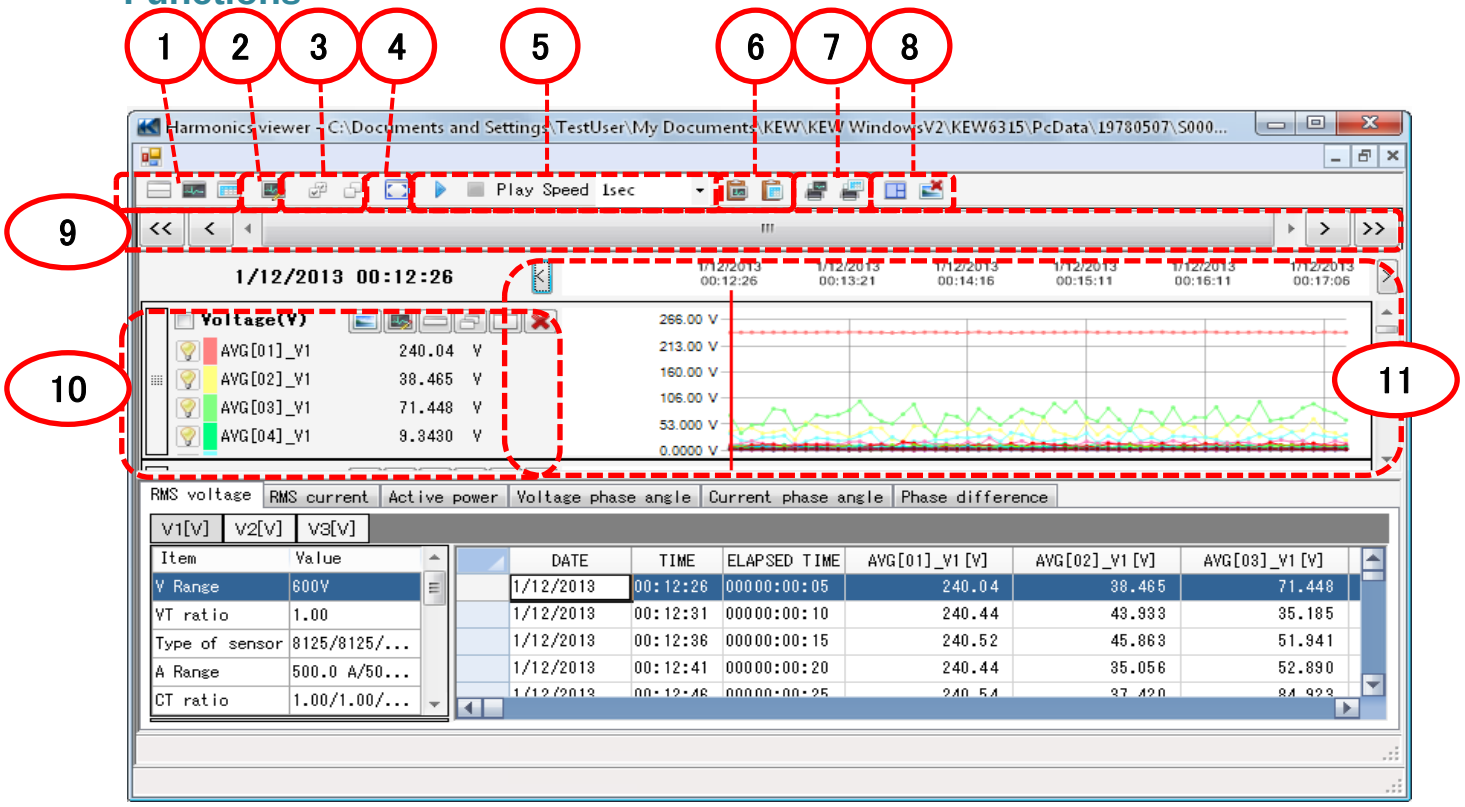


Measurement info

Time Series List

STEP 2

Functions

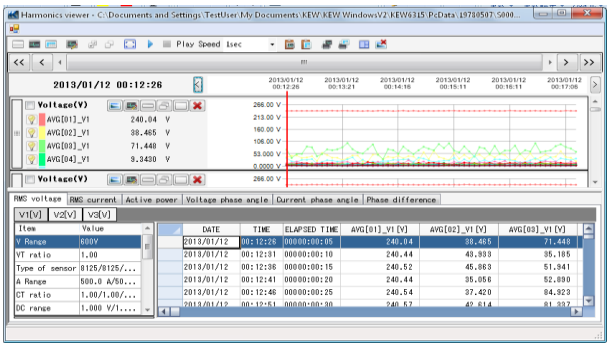


Data Analysis

1 Changing the display layout.

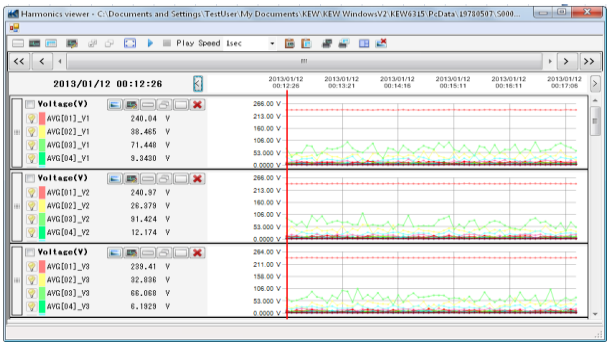
To display graph and list on one screen at the same time:

Split the screen in two sections and display Tme Series graph in the upper area and list data in the lower area.



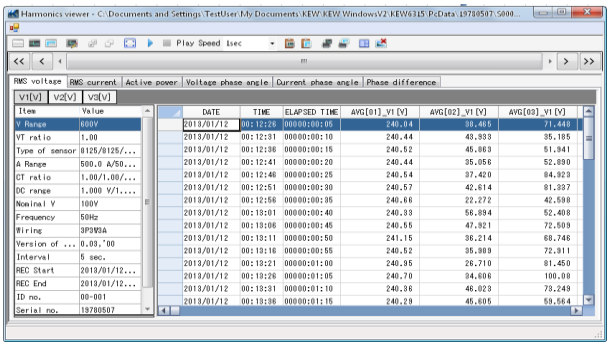
To display graph only

Time Series graphs are arranged and displayed on one screen.



To display list only

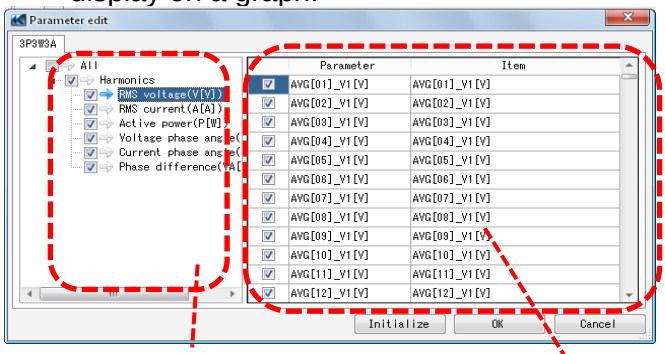
Show the list data on one screen.



2 Switching the displayed graphs

To display the other graphs

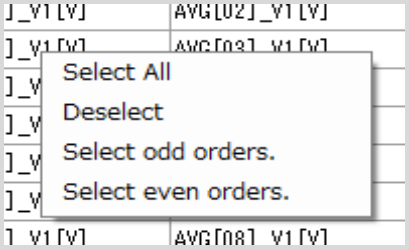
Select the measured data you want to display on a graph.



Check for the graphs to be displayed.

Check for the parameters to be displayed on a graph.

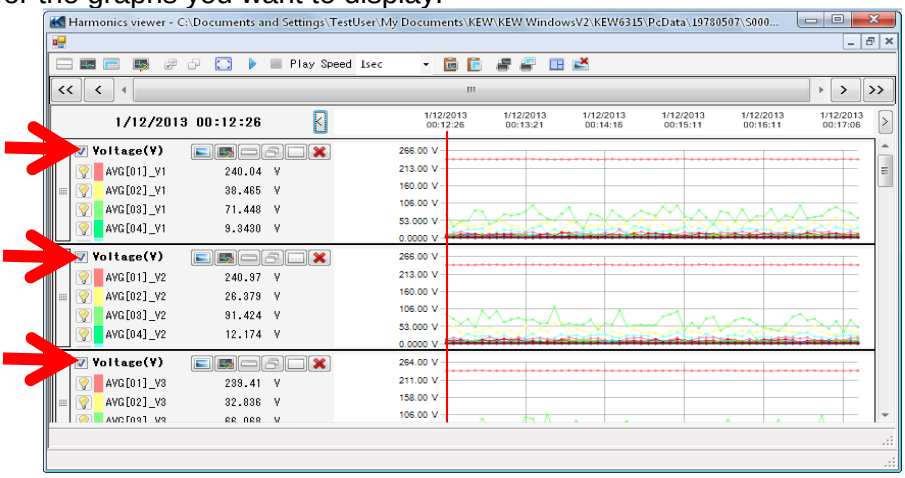
Right-click on the item list to select all items or diselect the selected items.



3 Select/ Un-select the graphs

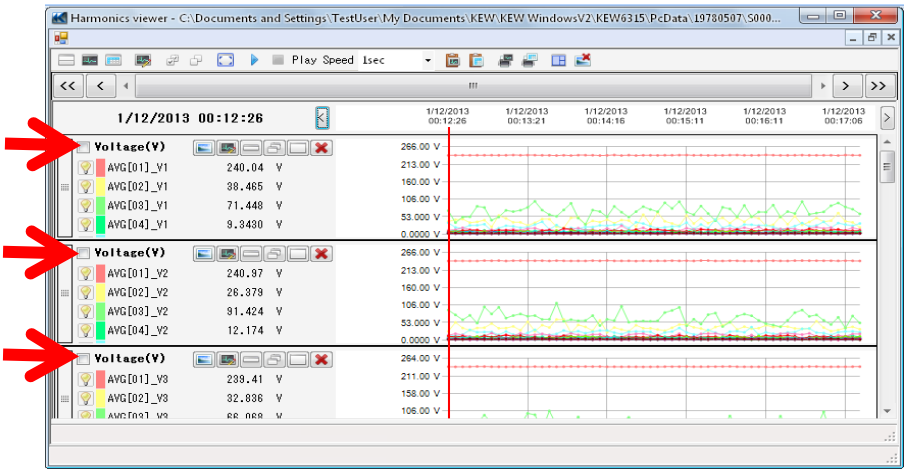
To select all the graphs

Check all the boxes for the graphs you want to display.



To unselect all the graphs

Uncheck all the checked boxes.

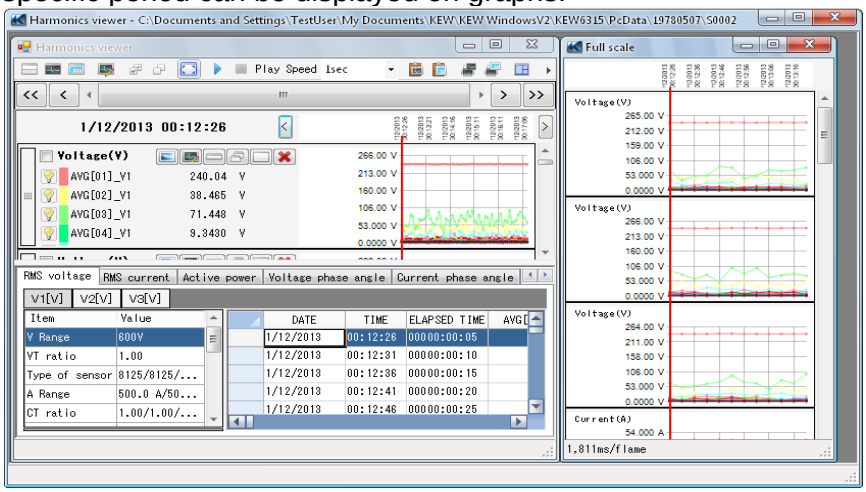


Data Analysis

4 Displaying graph in full-scale

To display the selected graphs in full-scale.

All data recorded in the specific period can be displayed on graphs.

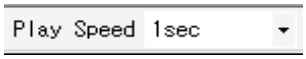


*Depending on the size of the recorded data,
it may take a long time to create full-scale data.

5 Enabling auto-scrolling.

Start auto-scrolling.

Stop auto-scrolling.



To change the auto-scrolling speed.

Cursor moves in the specified speed automatically.

7 Copying to clipboard

To copy graph:

Copy all the displayed Time Series graphs to the clipboard as an image.

To copy list:

Copy the selected list data to the clipboard with headers for each item
as tab-delimitated text data.

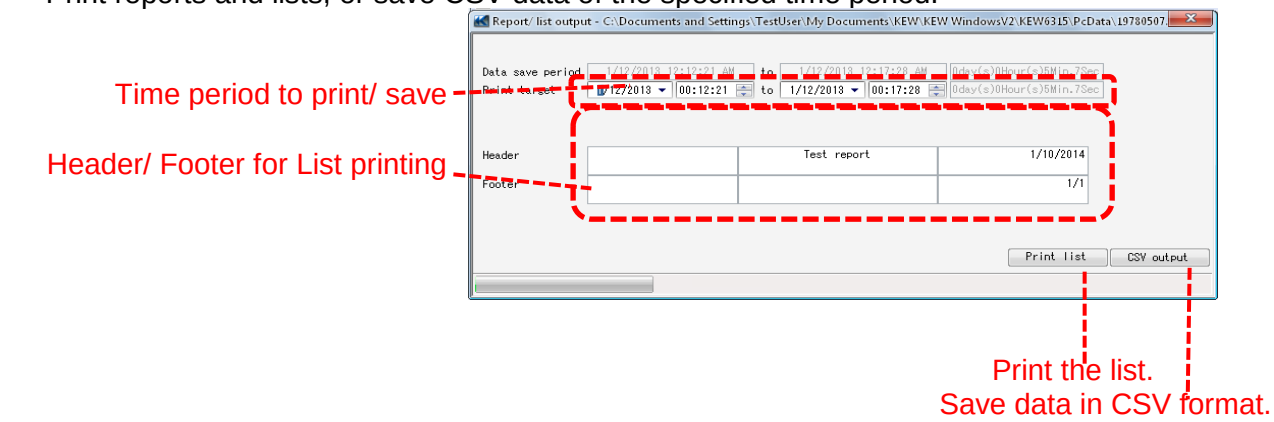
8 Printing

To print graph:

Print all the displayed Time Series graphs.

To print list:

Print reports and lists, or save CSV data of the specified time period.



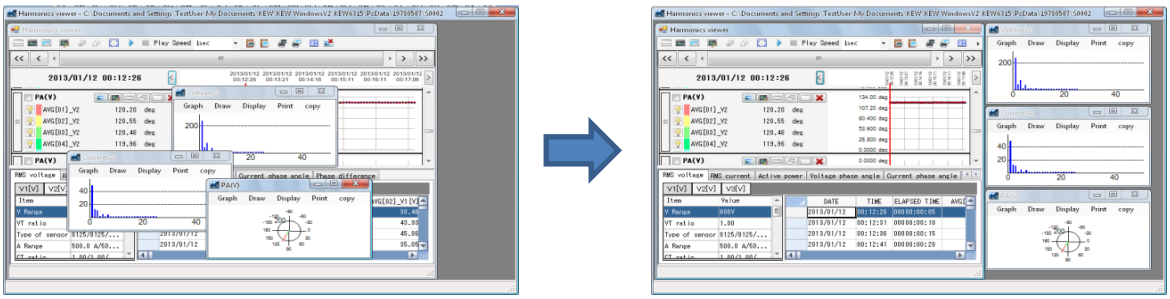
* Only the orders which have been selected and displayed on graphs are subject to print and CSV output.

[To display the other graphs(P.23)]

9 Arranging sub-graphs

To arrange the displayed sub-graphs:

Tidy up the displayed Time Series viewers and sub graphs.



To close all the open sub graphs:

Close all the displayed sub graphs.

Data Analysis

10 Scrolling the graph

Slide the cursor to the right and left.

Scroll half of the screen.

Scroll a quarter of the screen.

11 Changing the graph display format

Display sub graph.

Select the items to be displayed on a graph.

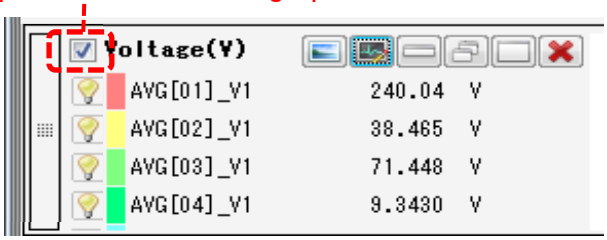
Minimize the graph.

Restore the changed graph size.

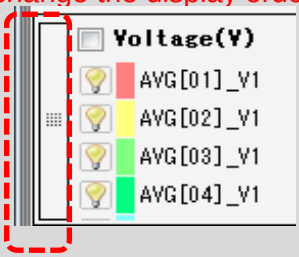
Maximize the graph.

Close graph.

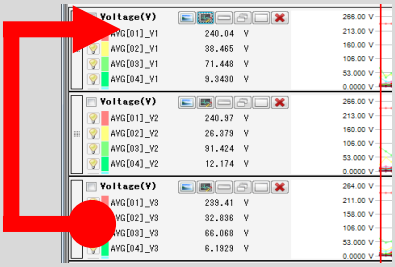
Applied to the selected graph.



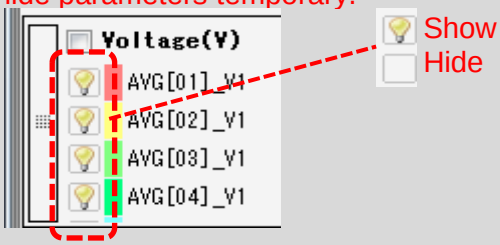
To change the display order:



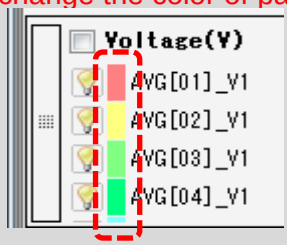
Drag the left side of the graph and drop it at the desired position to change the order.



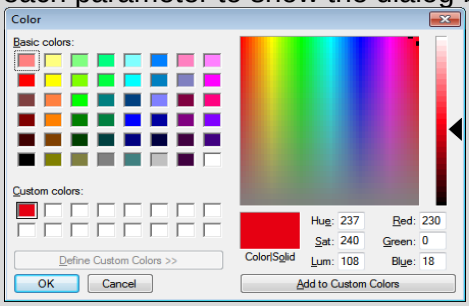
To hide parameters temporary.



To change the color of parameter temporally:

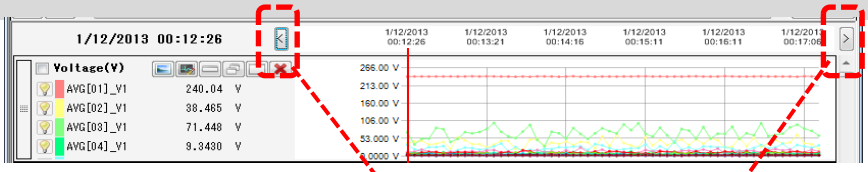


Click the colored boxes for each parameter to show the dialog box for color setting.



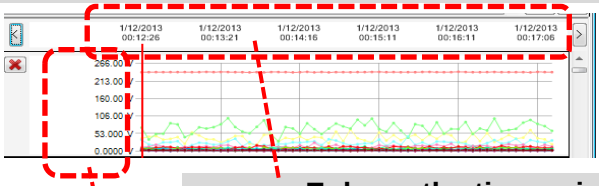
Data Analysis

12 Moving the cursor

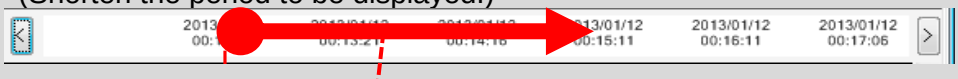


Move the cursor by one interval back and forth.

13 Changing the graph display area

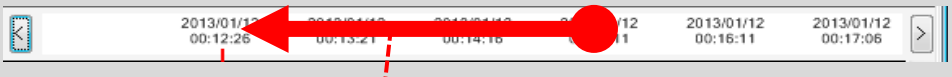


Enlarge the time axis
(Shorten the period to be displayed.)



Click and drag the tick to right.

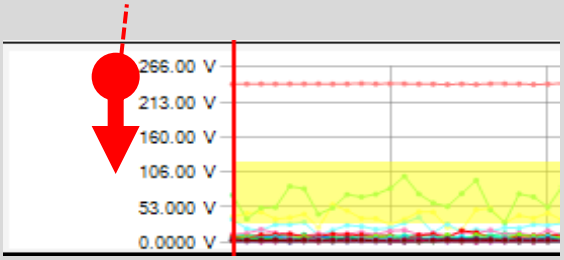
Shorten the time axis
(Expand the period to be displayed.)



Click and drag the tick to left.

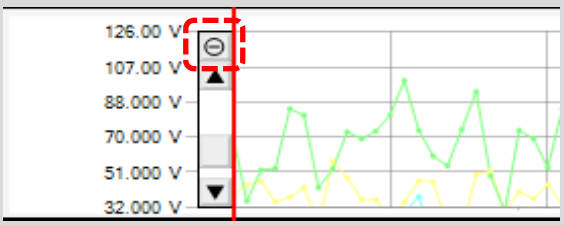
Enlarge the measured value axis

Click and drag the tick to down or up.



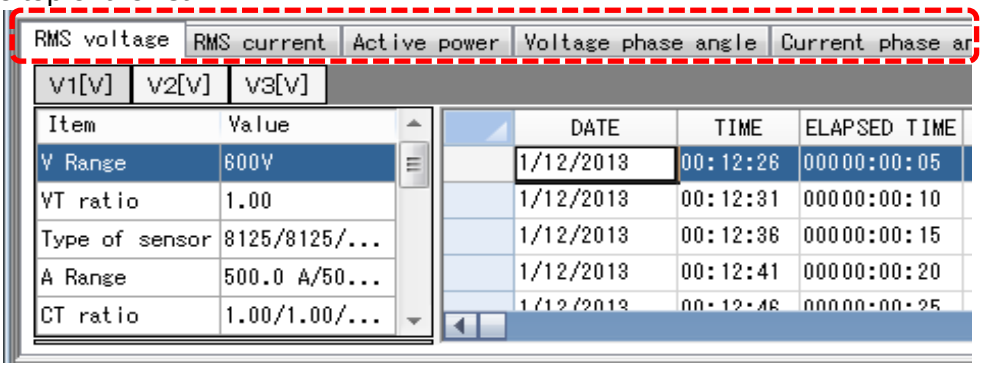
* The yellow area will be enlarged.

Restore the enlarged axis to the original scale.



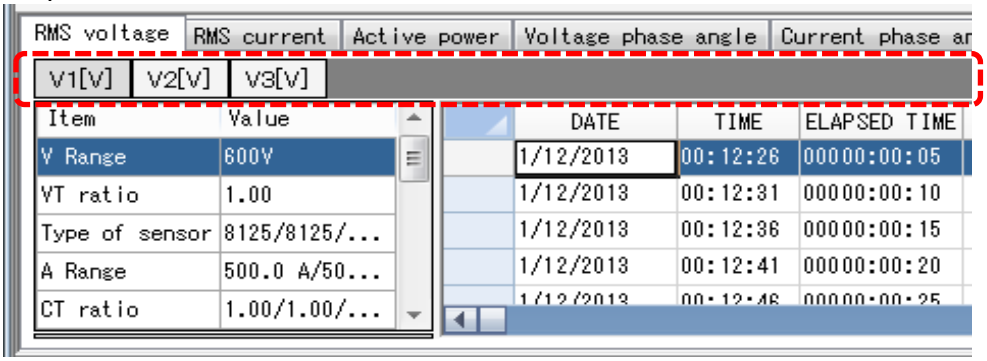
14 Switching the measured values displayed on the list.

Tap on the tab at the top of the list.



15 Switching channels displayed on the list.

Tap on the tab at the top of the list.

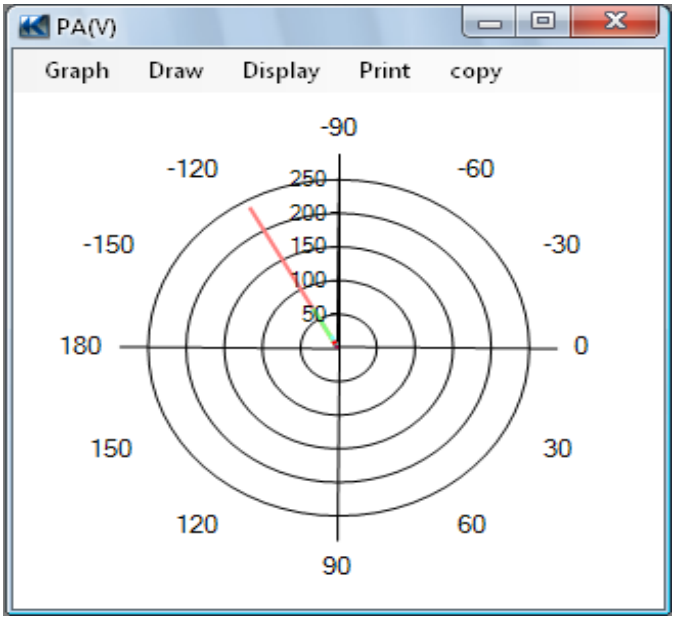


STEP 3

Sub graph display

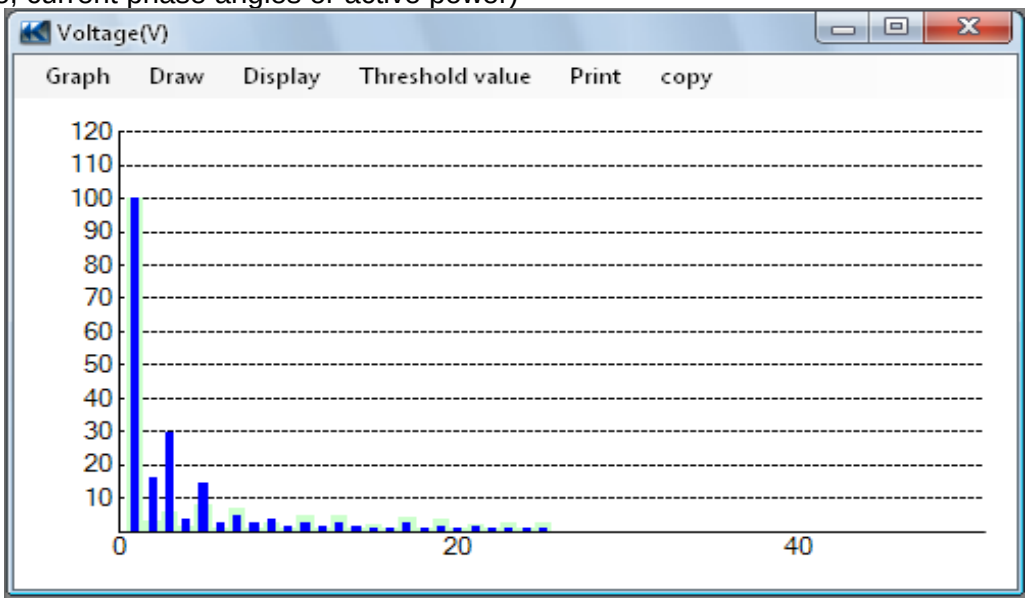
1 Vector Display

Display the rms values and phase angles by vector for the cursor location.
(only the voltage or current phase angles)



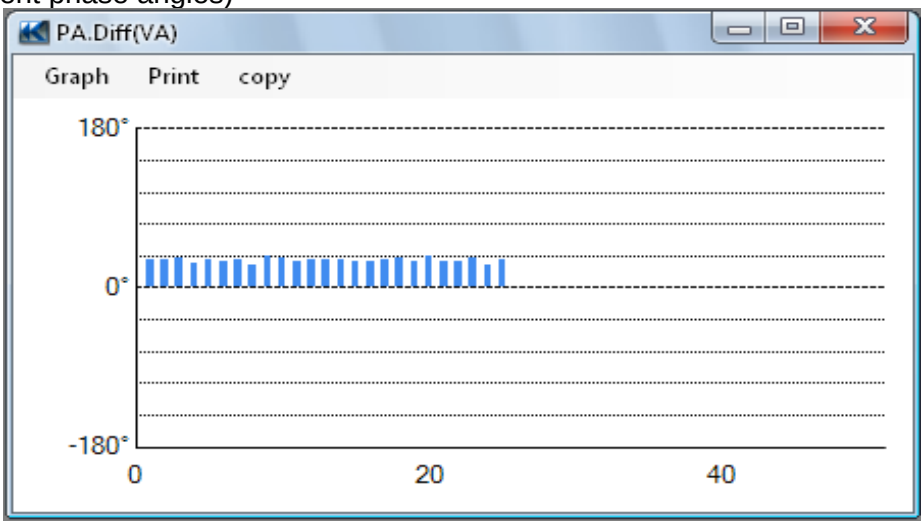
2 Harmonics graph

Display the rms values of each order for the cursor location on the bar graph.
(only the voltage, current phase angles or active power)



3 Phase difference graph

Display the phase differences of each order for the cursor location on the bar graph.
(only the voltage or current phase angles)

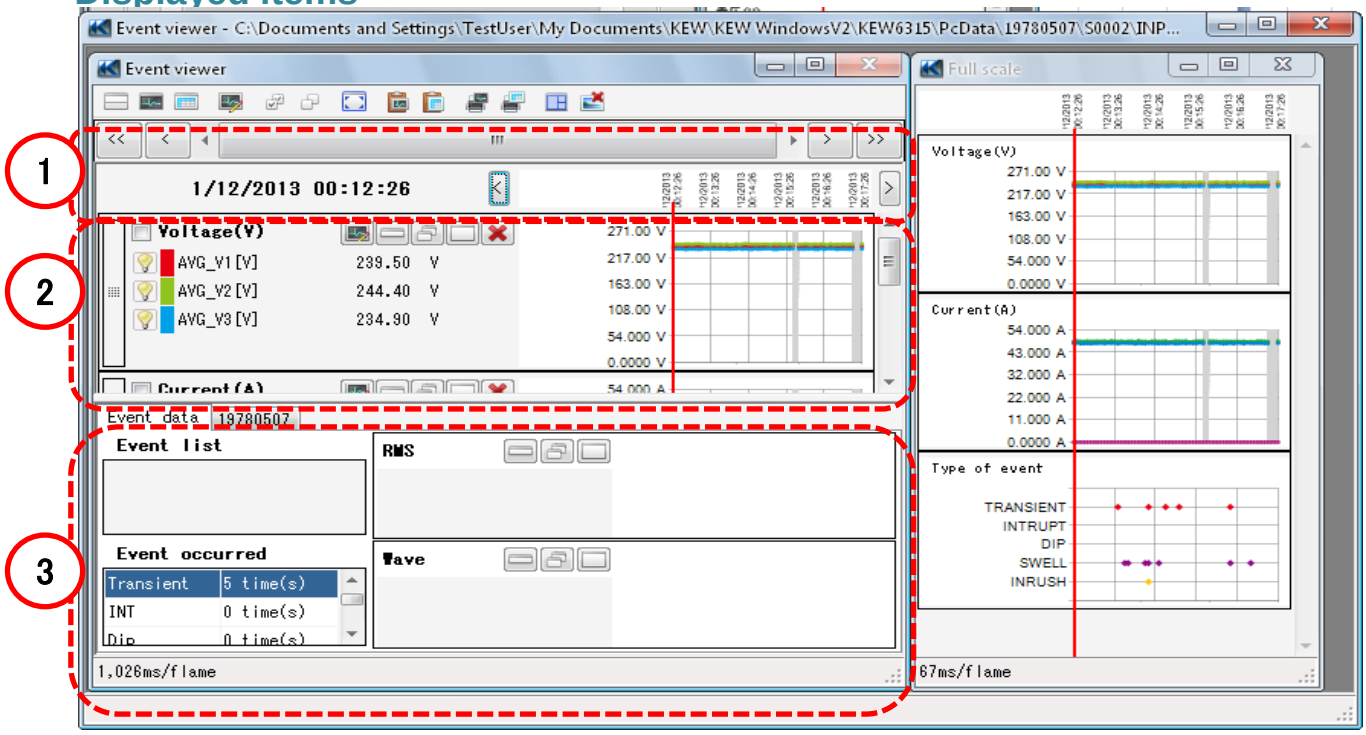


Data Analysis

Power Quality Event data Analysis

STEP 1

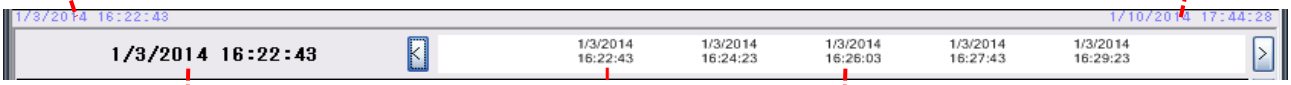
Displayed items



1 Data recorded time

Time when the oldest data recorded

Time when the latest data recorded



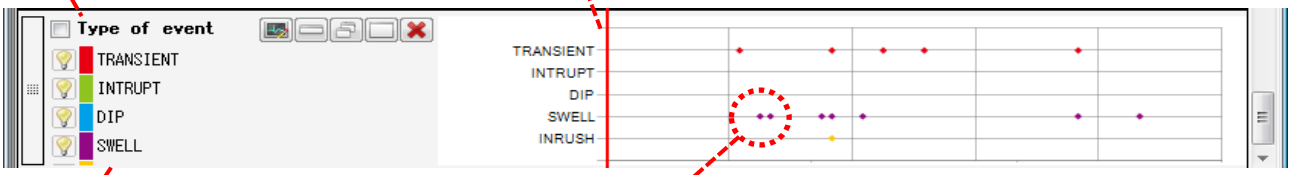
Time for the cursor location.

Time axis on the graph

2 Time Series Graph

Graph Name

Cursor

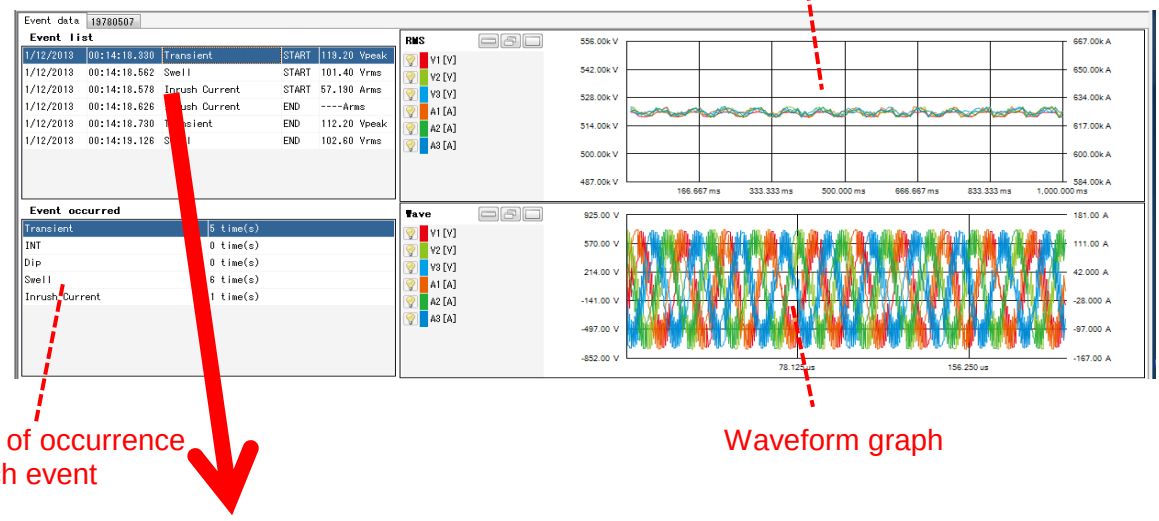


Parameter

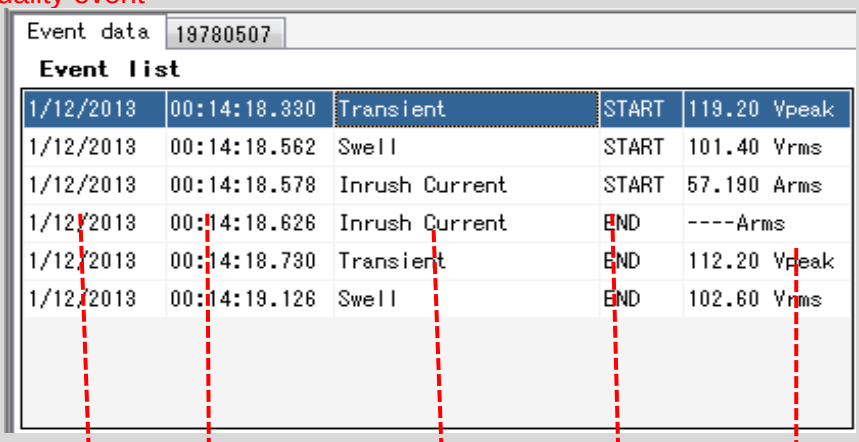
Event occurrence

Data Analysis

3 Detailed Event data

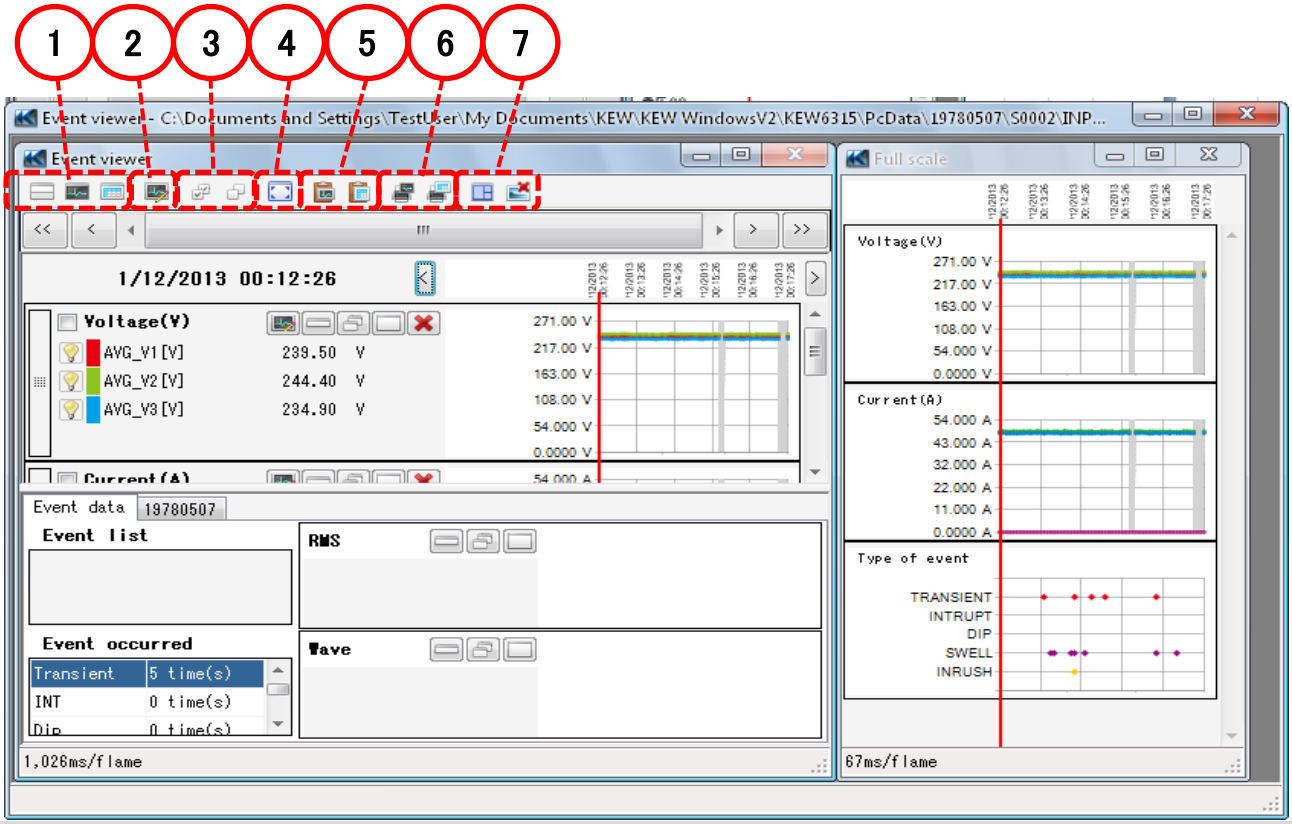


List of Power quality event



STEP 2

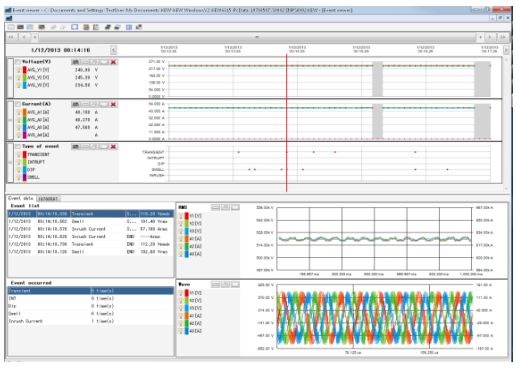
Functions



1 Changing the display layout.

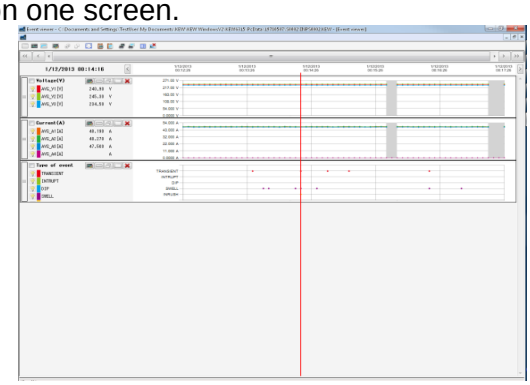
To display graph and list on one screen at the same time:

Split the screen in two sections and display time series graph in the upper area and detailed event data in the lower area.



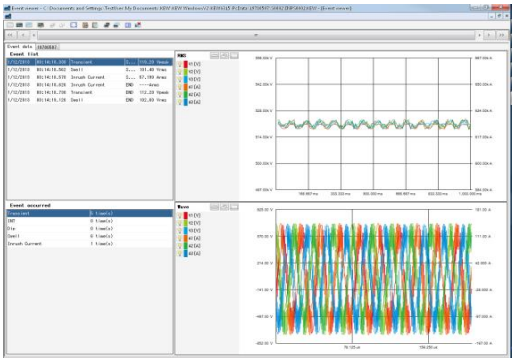
To display graph only

Time Series graphs are arranged and displayed on one screen.



To display detailed event data only

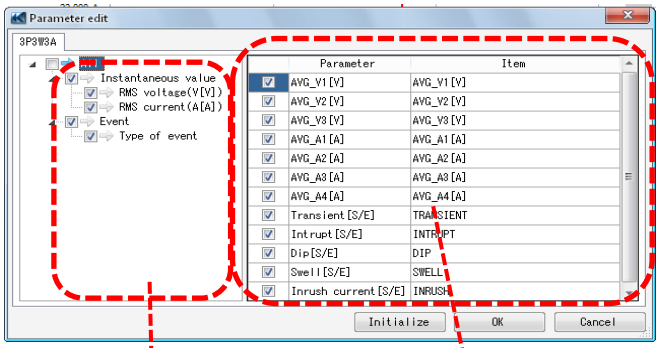
Show the event data on one screen.



2 Switching the displayed graphs

To display the other graphs

Select the measured data and event types you want to display on a graph.



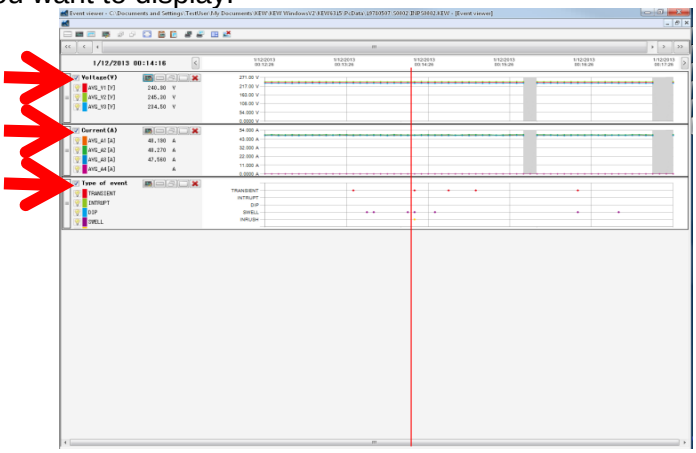
Check for the graphs to be displayed.

Check for the parameters to be displayed on a graph.

3 Select/ Un-select the graphs

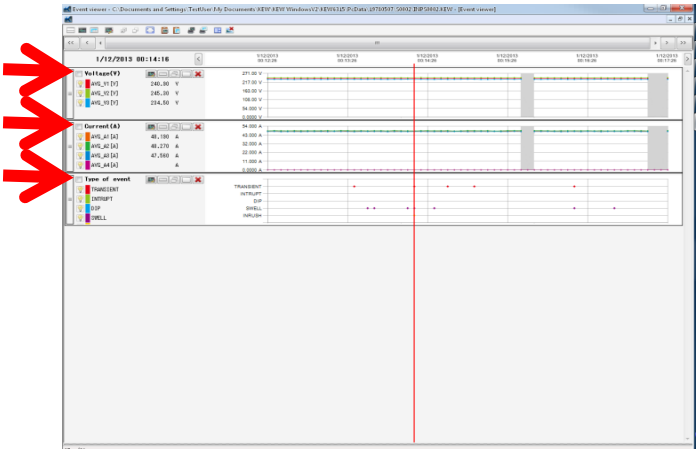
To select all the graphs

Check all the boxes for the graphs you want to display.



To unselect all the graphs

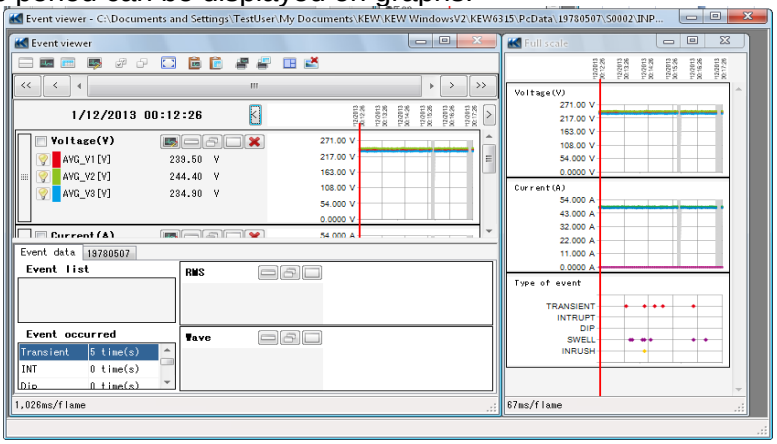
Uncheck all the checked boxes.



4 Displaying graph in full-scale

To display the selected graphs in full-scale.

All data recorded in the specific period can be displayed on graphs.



5 Copying to clipboard

To copy graphs:

Copy all the displayed Time series graphs to the clipboard as an image.

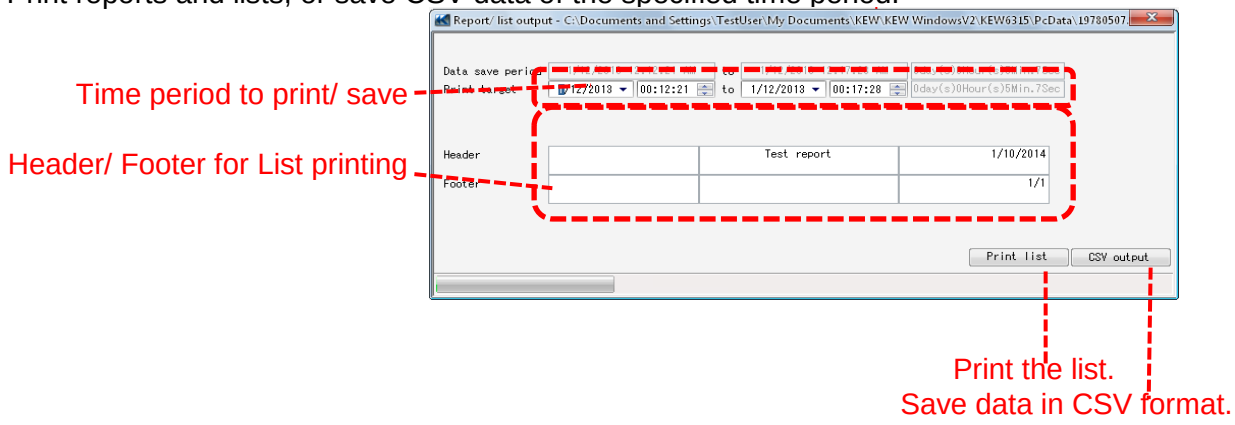
To copy lists:

Copy the selected list data to the clipboard with headers for each item as tab-delimitated text data.

6 Printing

To print graph:
Print all the displayed Time Series graphs.

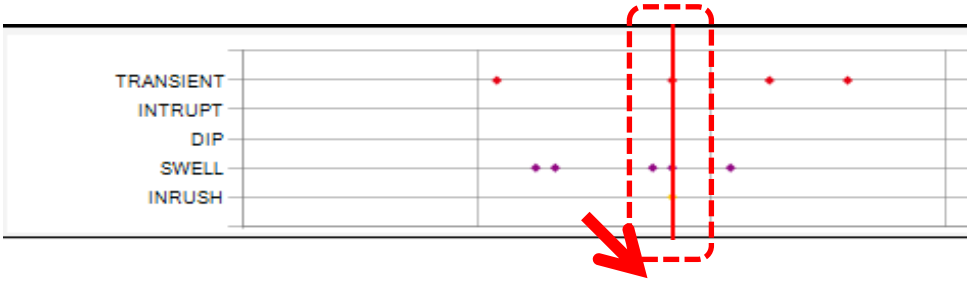
To print list:
Print reports and lists, or save CSV data of the specified time period.



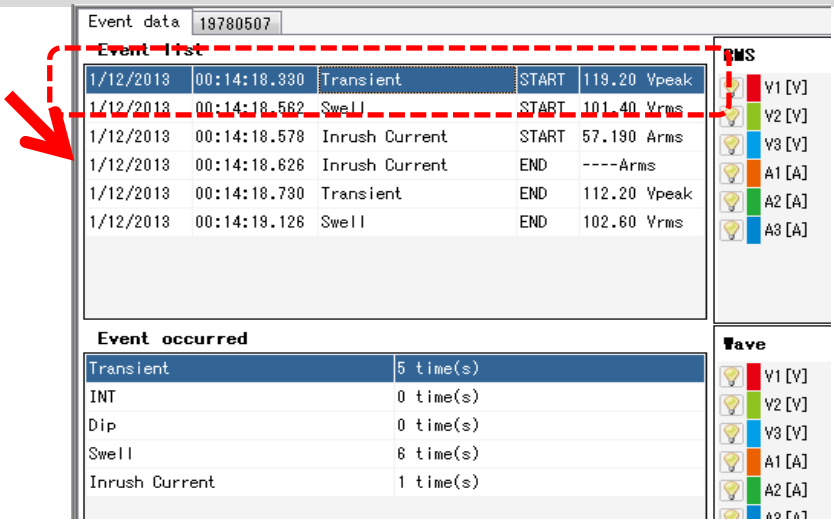
STEP 3

Show the list of Power quality event

1 Locate the cursor on the event occurred point.

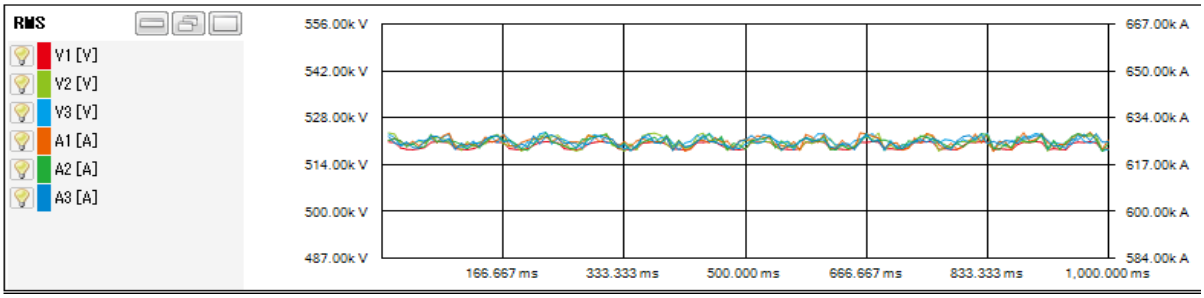


2 Select the event list.



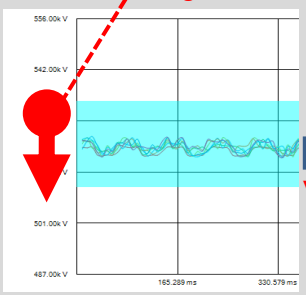
Data Analysis

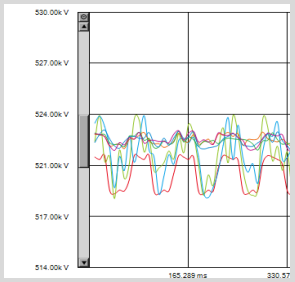
3 RMS variation graph



Enlarge the measured value axis

Click and drag the tick to down or up.

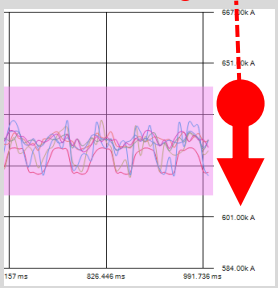


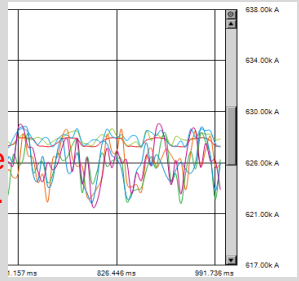


Voltage variations will be enlarged and displayed.

* The blue area will be enlarged.

Click and drag the tick to down or up.



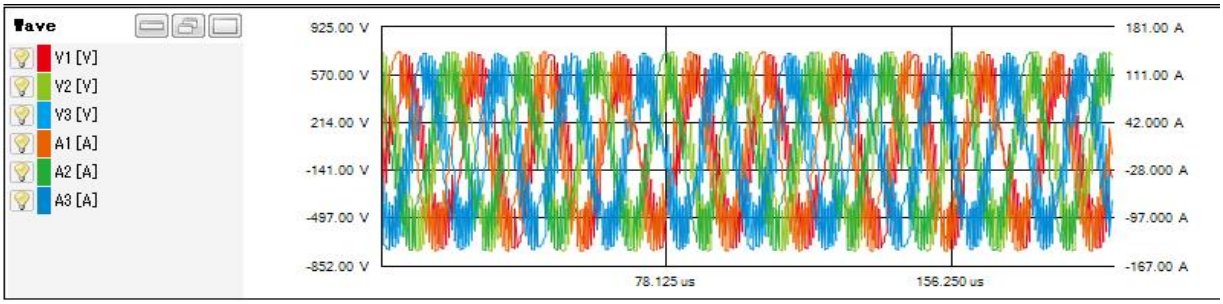


Current variations will be enlarged and displayed.

* The pink area will be enlarged.

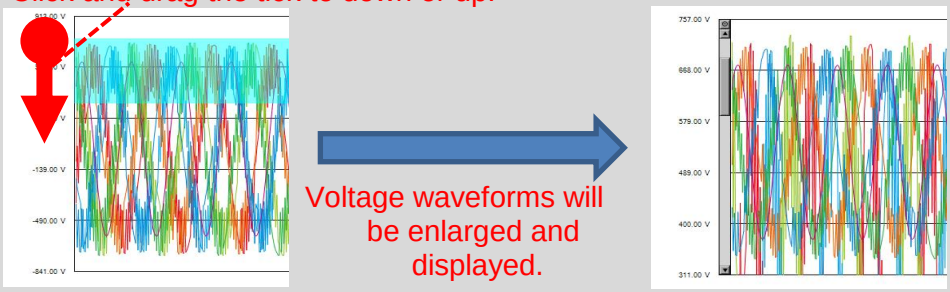
Data Analysis

4 Waveform graph



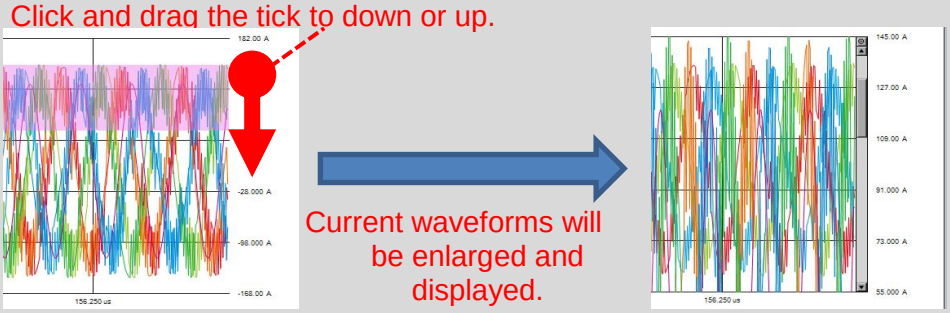
Enlarge the measured value axis

Click and drag the tick to down or up.



* The blue area will be enlarged.

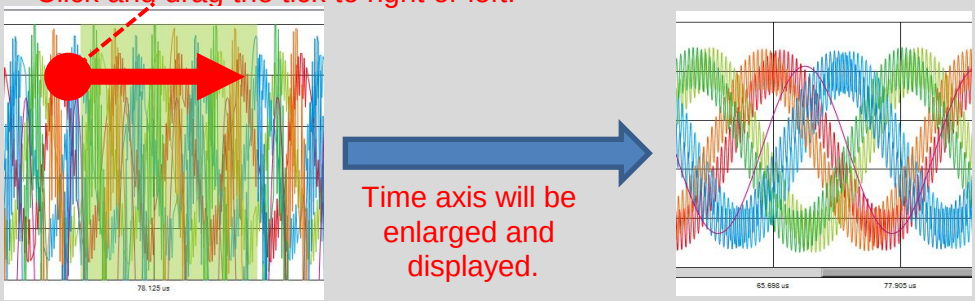
Click and drag the tick to down or up.



* The pink area will be enlarged.

Enlarge the time axis

Click and drag the tick to right or left.



* The green area will be enlarged.

Data Analysis

Analysis complying with EN50160

<Required settings for analysis according to EN50160>

Setting	Setting value	Mandatory
1. Wiring	3P3W3A(+1A), or 3P4W(+1A)	
2. Recording item	Power+Harmonics+Event	O
3. Recording method	Manual, or Continuous	O
4. THD calculation	THD-F	
5. Hysteresis	2%	
6. Swell	110%	
7. Dip	90%	
8. Int	1%	

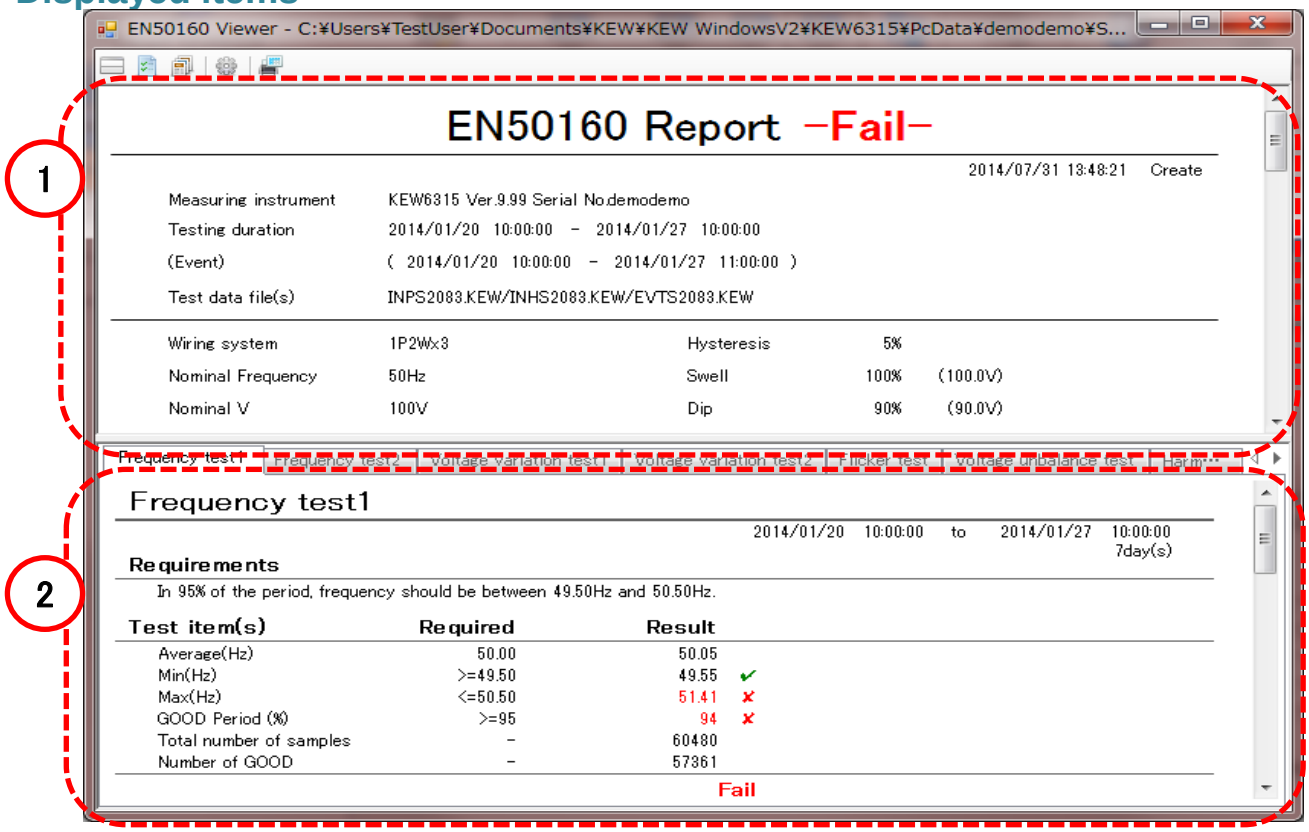
* Setting values for 1. and 4. through 8. should be the same as specified above. Otherwise, a warning message "Not complying with EN50160." is displayed.

<Recording interval and test items that can be output>

Test item	10 sec or less	15 sec or more
Frequency	O	
Voltage variation	O	
Flicker	O	
Voltage unbalance	O	
Harmonics	O	
Swell	O	O
Dip	O	O
Int	O	O

STEP 1

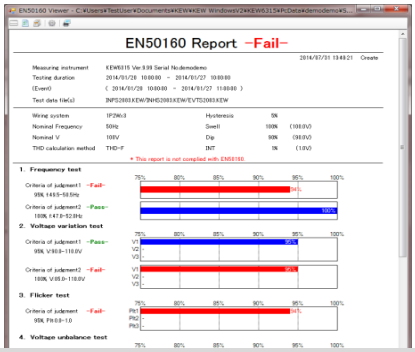
Displayed items



Data Analysis

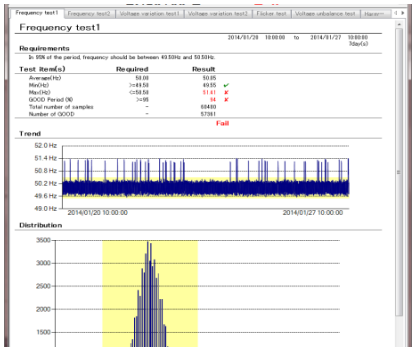
1 List display

A list of all results are displayed.



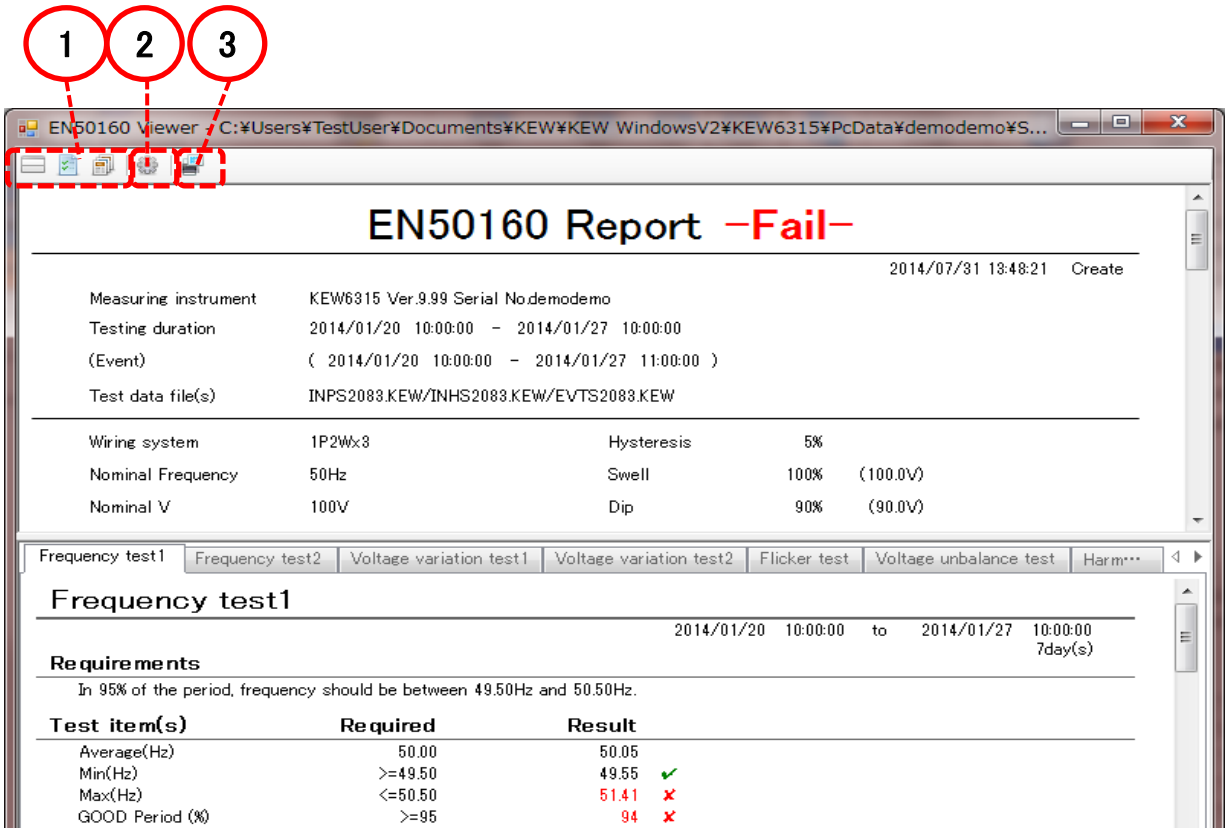
2 Details display

The details of each result can be checked.



STEP 2

Functions

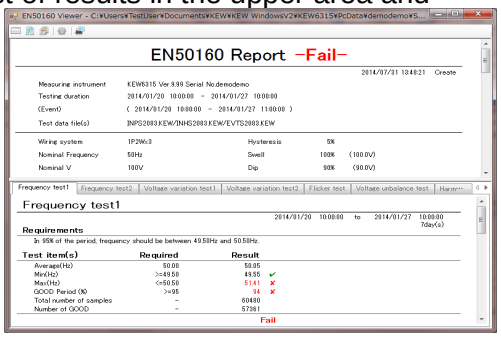


Data Analysis

1 Change the display layout.

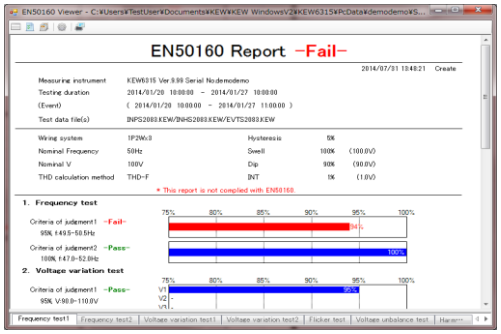
To display a list of results and the details in one screen.

Split the screen in two sections and display a list of results in the upper area and the details in the lower area.



To display list only.

A list of result is displayed over the entire viewer.



To display the detailed data only.

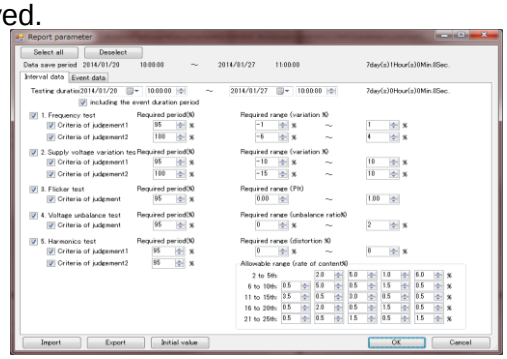
The detailed data is displayed over the entire viewer.

2 Switch the report parameters

To open the Parameter window

Setting window for report parameters is displayed.

(Step 2 About each parameter …P.41)



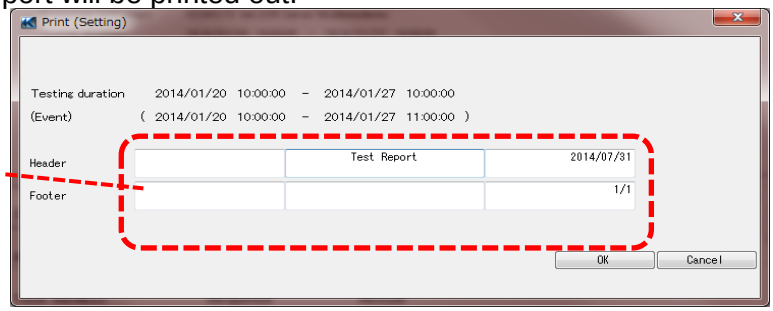
Data Analysis

3 Print

To print report

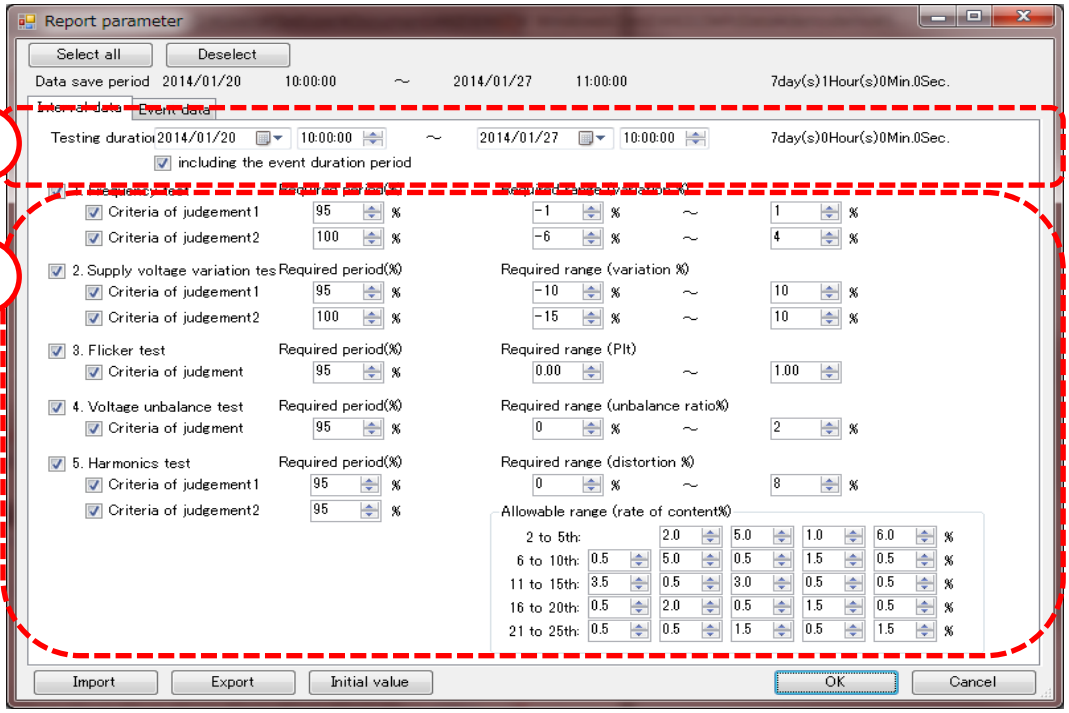
The displayed EN50160 test report will be printed out.

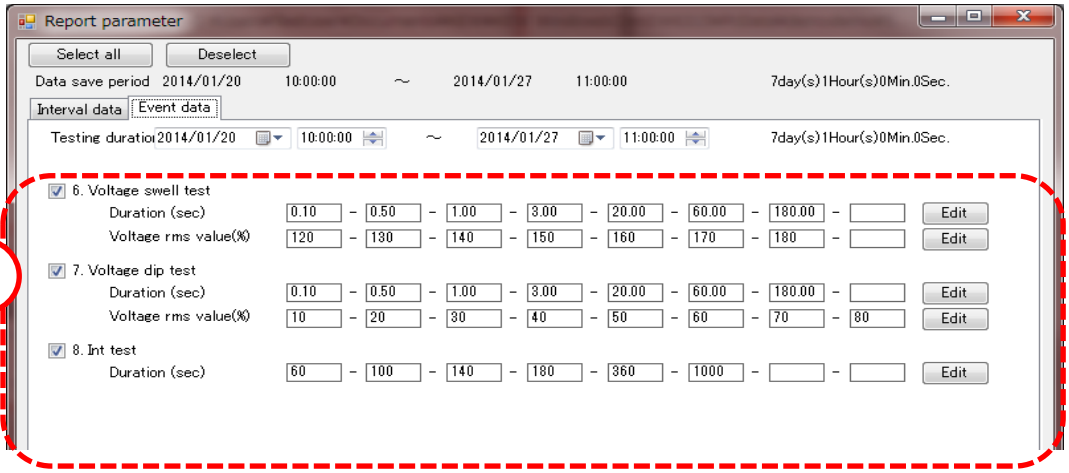
Header/ Footer for Report



STEP 2

About each parameter

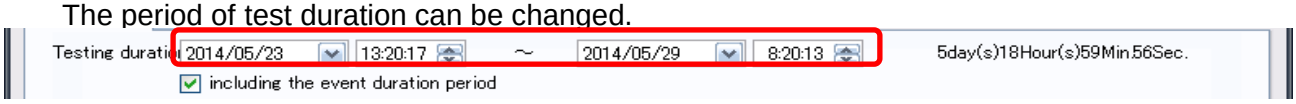




Data Analysis

1 Specify the test duration period

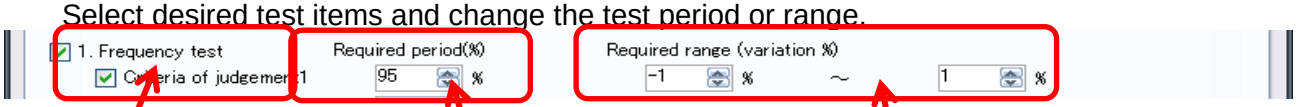
The period of test duration can be changed.



* During the duration period of any of swell/ dip/ int events, reliability of the other event duration" and exclude the values measured during such event duration to obtain reliable statistical results.

2 Select the test item, period and range

Select desired test items and change the test period or range.

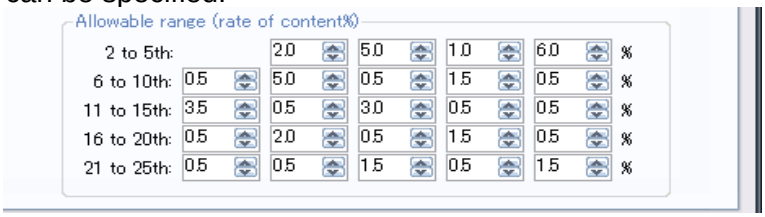


Specify the desired requesting period.

Specify the desired range.

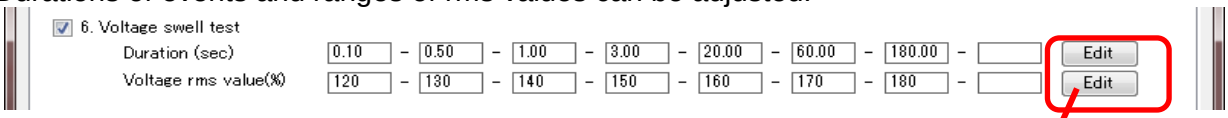
Uncheck the box to exclude the item for test.

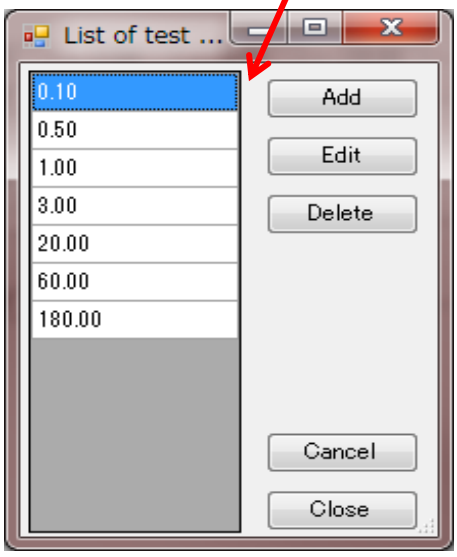
For harmonics, only the upper limits can be specified.



3 Adjust ranges to classify the number of events

Durations of events and ranges of rms values can be adjusted.





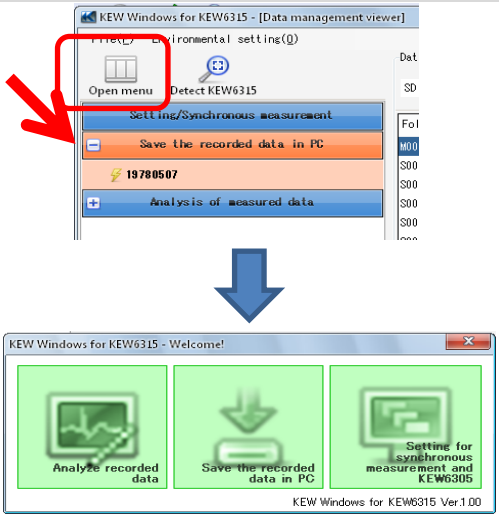
Data save to PC

Data import from SD card to PC

STEP 1

Open the Menu

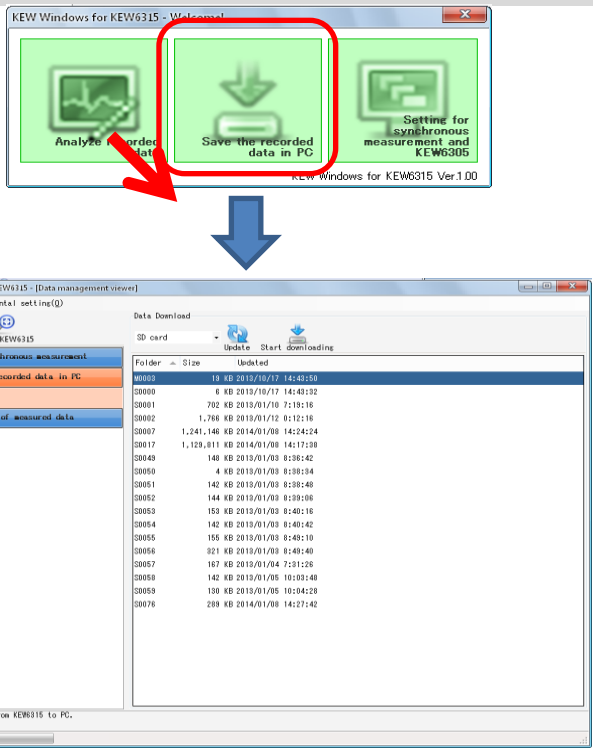
1 Click the *[Open menu]* icon on the *"Data management viewer"*.



STEP 2

Show the list of data stored in SD card.

1 Click the *[Save the recorded data in PC]* icon.



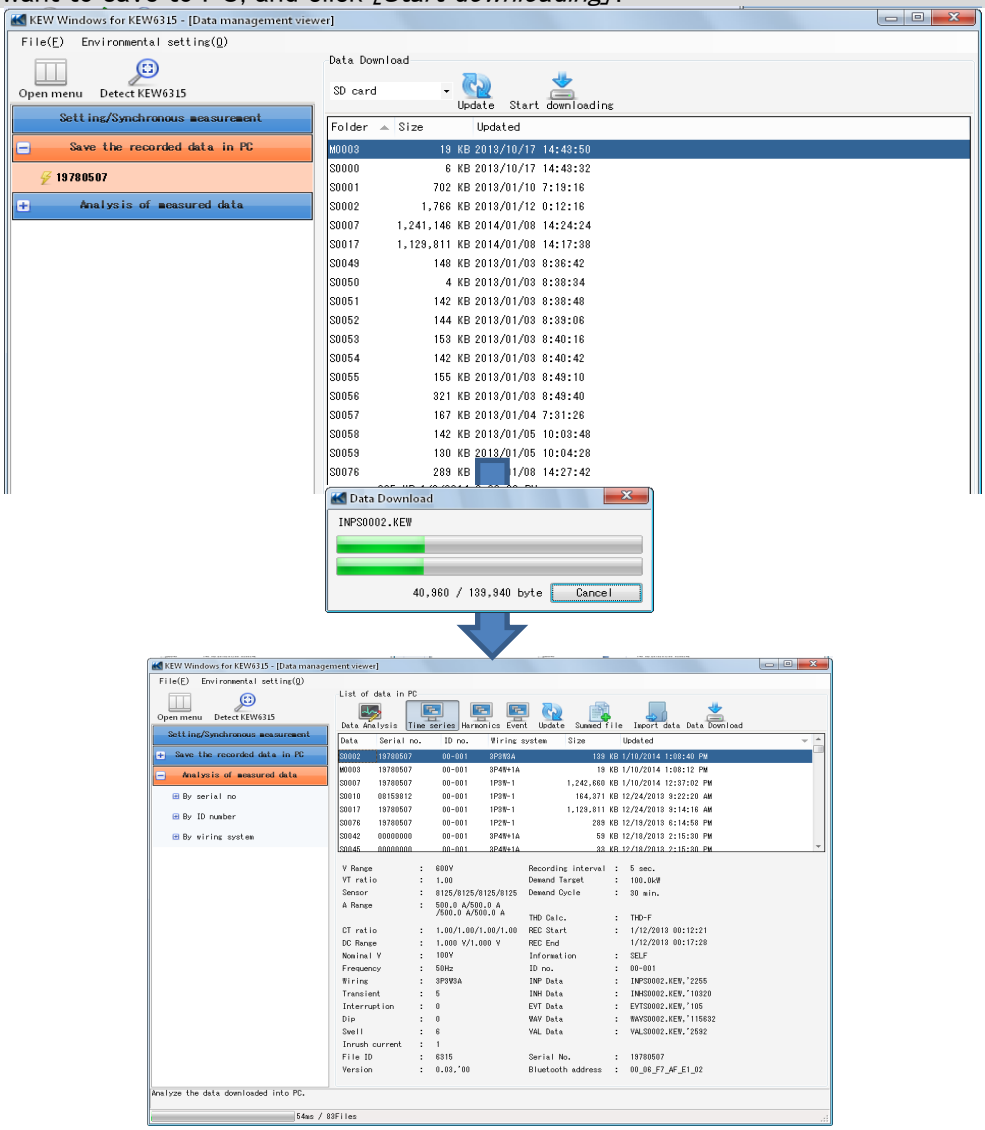
Data save to PC

2 Click and select *"SD card"*.

STEP 3

Save the recorded data to PC.

1 Select the data you want to save to PC, and click *[Start downloading]*.



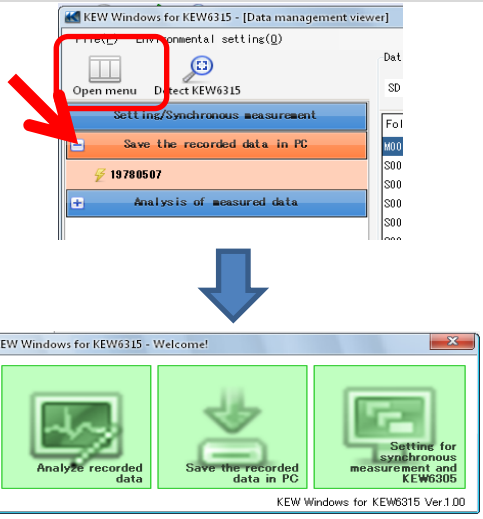
Data save to PC

Data import from KEW6315 internal memory to PC

STEP 1

Open the Menu

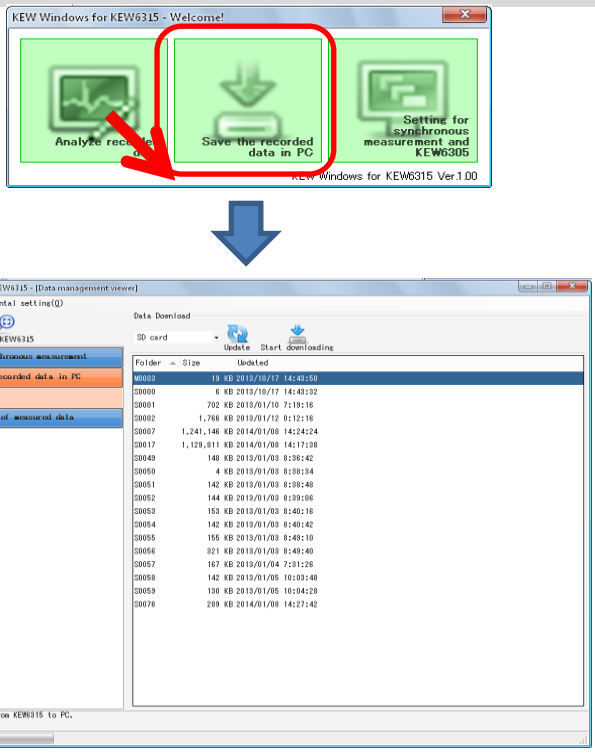
1 Click the *[Open menu]* icon on the *"Data management viewer"*.



STEP 2

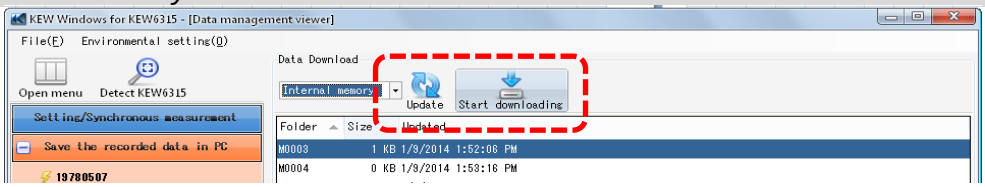
Show the list of data stored in the internal memory.

1 Click the *[Save the recorded data in PC]* icon.



Data save to PC

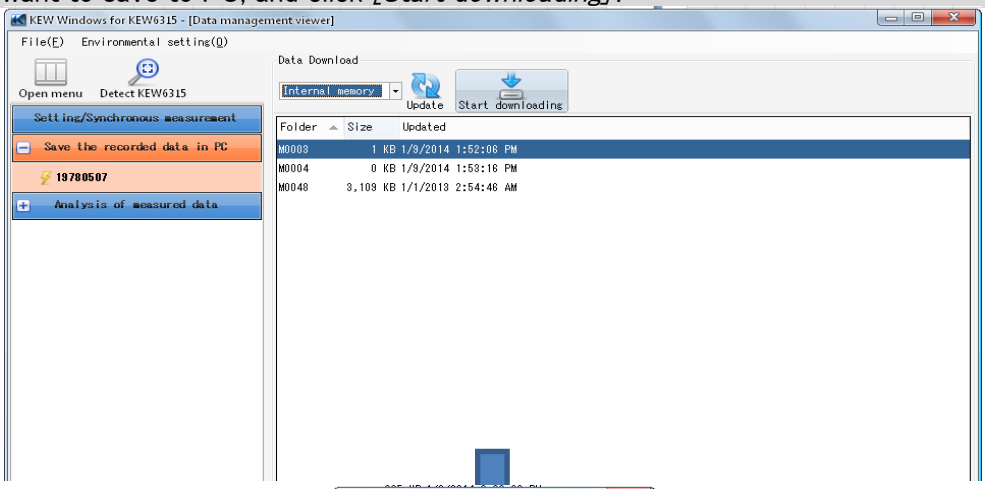
2 Click and select *"internal memory"* .

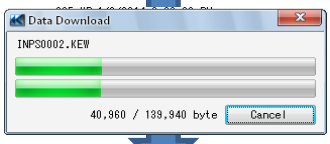


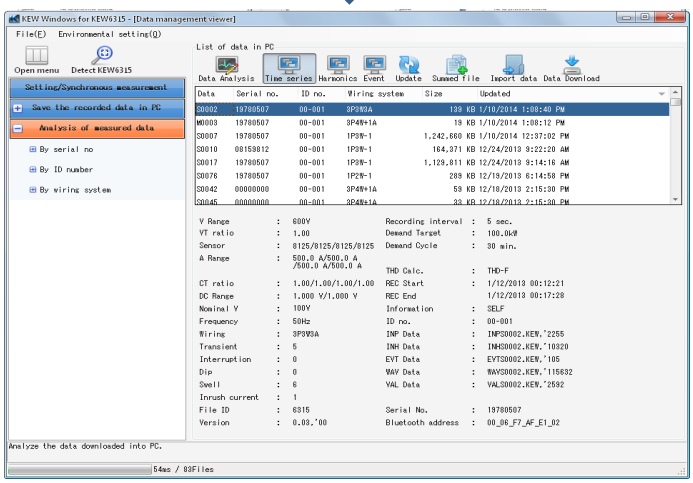
STEP 3

Save the recorded data to PC.

1 Select the data you want to save to PC, and click *[Start downloading]*.







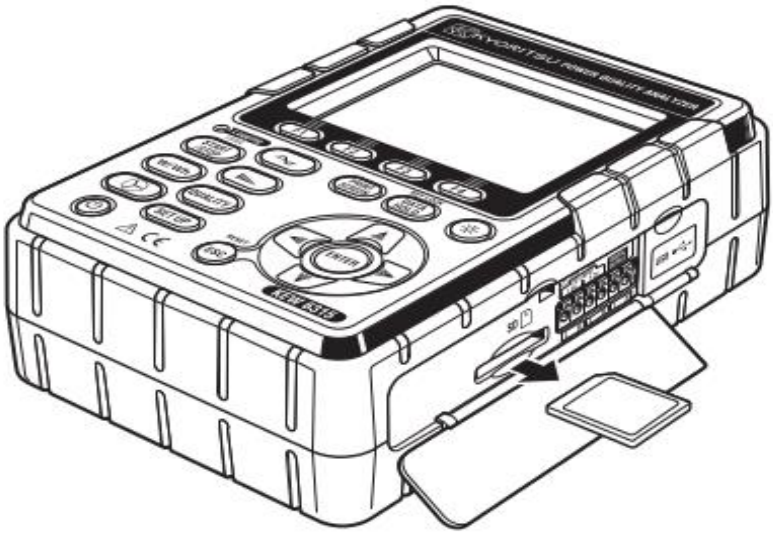
Data save to PC

Data import by using Card reader

STEP 1

Extract the SD card from KEW6315.

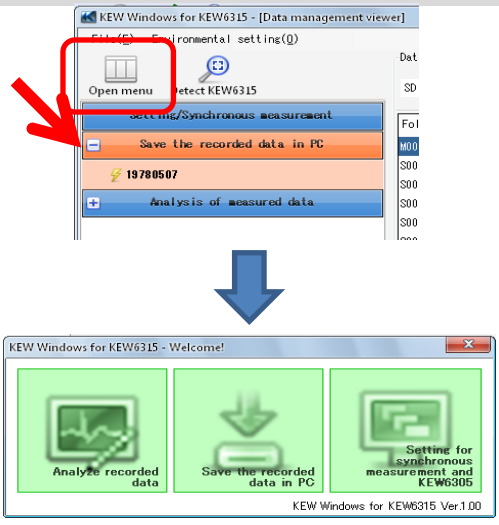
1 Extract the SD card from KEW6315.



STEP 2

Open the Menu

1 Click the *[Open menu]* icon on the *"Data management viewer"*.

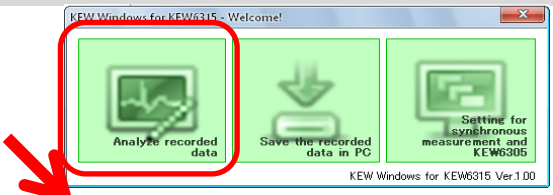


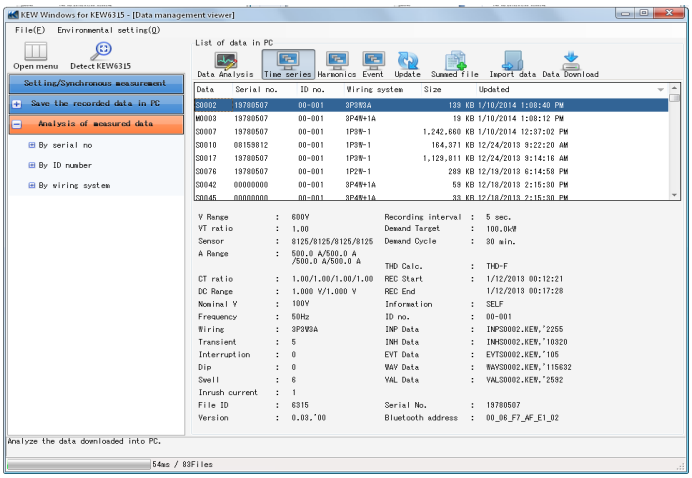
Data save to PC

STEP 3

Show the list of data stored in PC.

1 Click the *[Analyze recorded data]* icon.

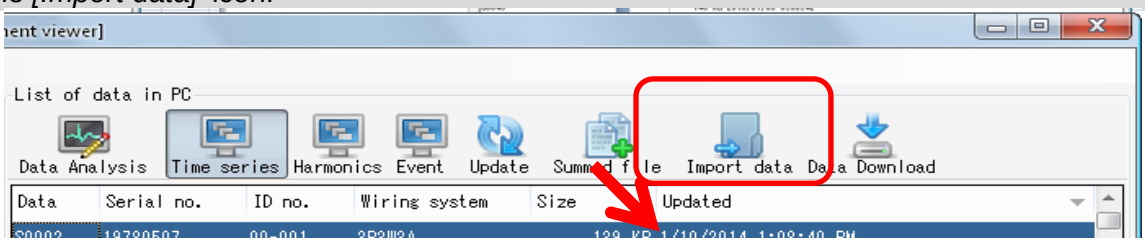




STEP 4

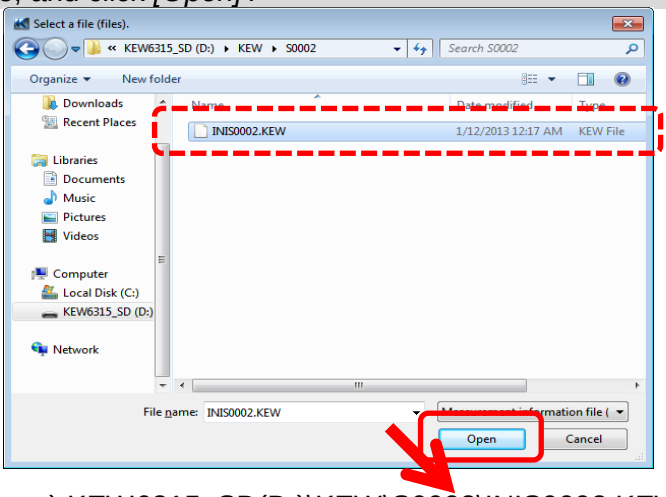
Import the recorded data from the SD card into PC.

1 Click the *[Import data]* icon.

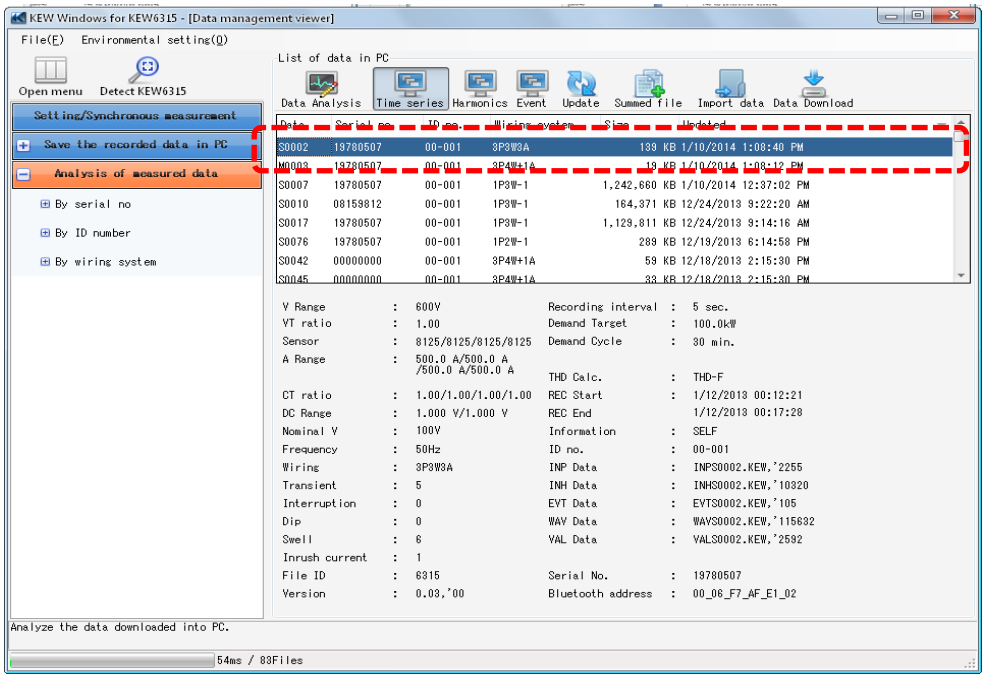


Data save to PC

2 Select any Measurement info file, and click *[Open]* .



e.g.) KEW6315_SD(D:)\KEW\S0002\INIS0002.KEW

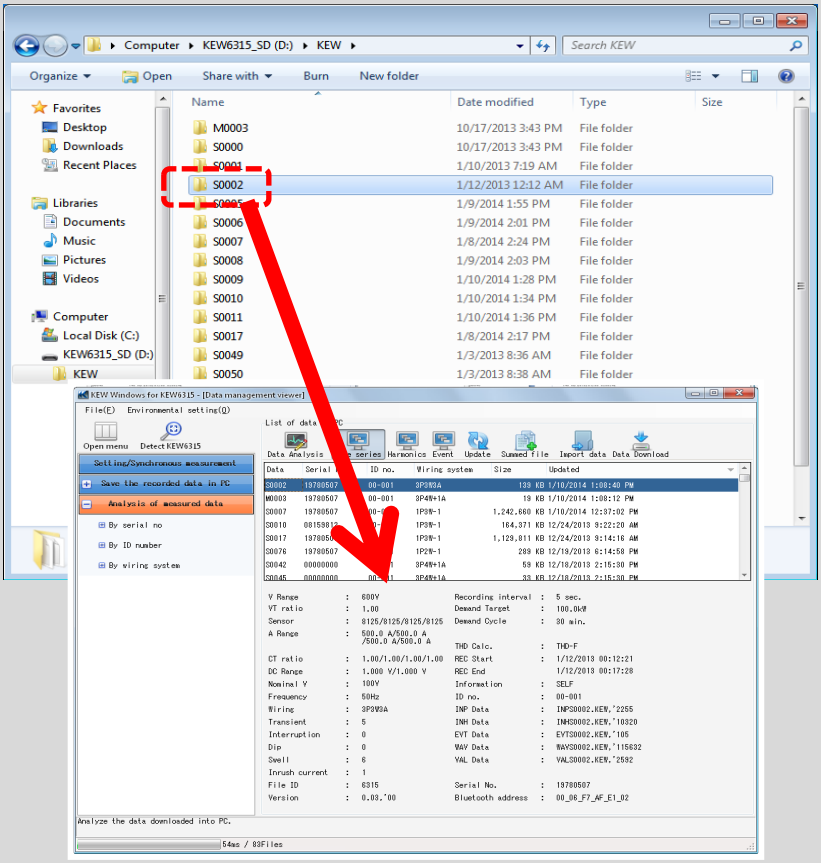


Data save to PC

***Drag & Drop Import**

You can use Drag and Drop to easily import the data folders onto PC. To import the folders onto PC, drag a folder and drop it into the *"Data management viewer"* .

e.g.) KEW6315_SD(D:)\KEW\S0002



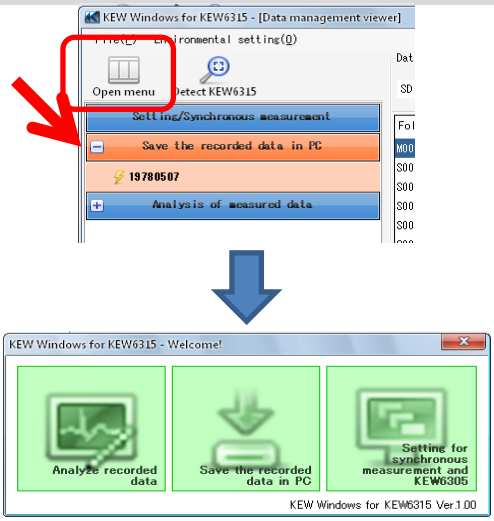
KEW6315 Setting

Making of KEW6315 Setting data

STEP 1

Open the Menu

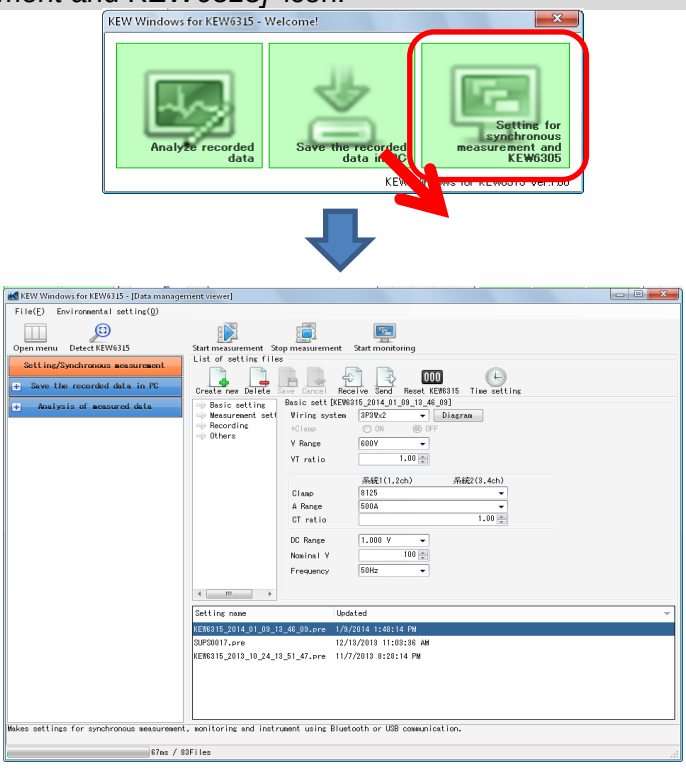
1 Click the *[Open menu]* icon on the *"Data management viewer"*.



STEP 2

Show the KEW6315 settings.

1 Click the *[Setting for synchronus measurement and KEW6315]* icon.

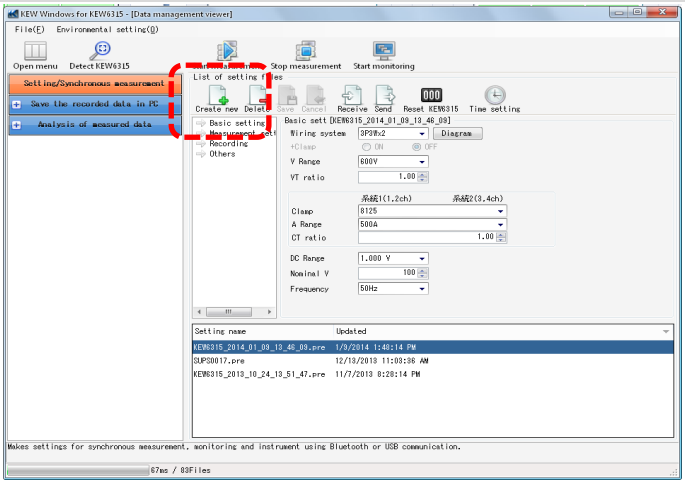


KEW6315 Setting

STEP 2

Create a new setting for KEW6315

1 Click the *[Create new]* icon.

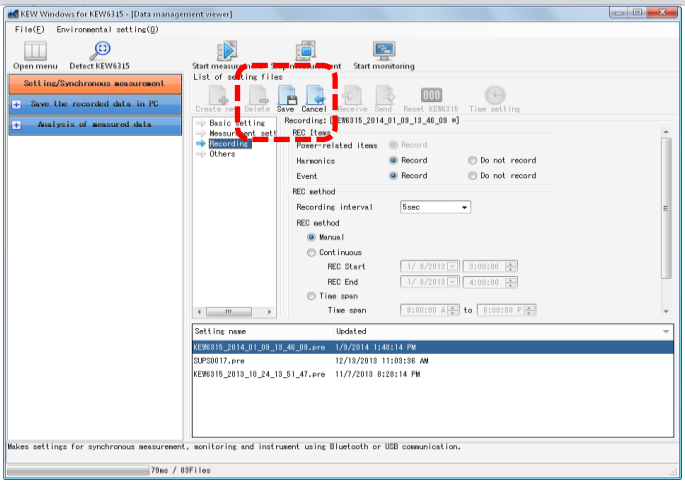


2 Customize the settings.
* As for the details of setting values, refer to the full version of the instruction manual for KEW6315.

STEP 3

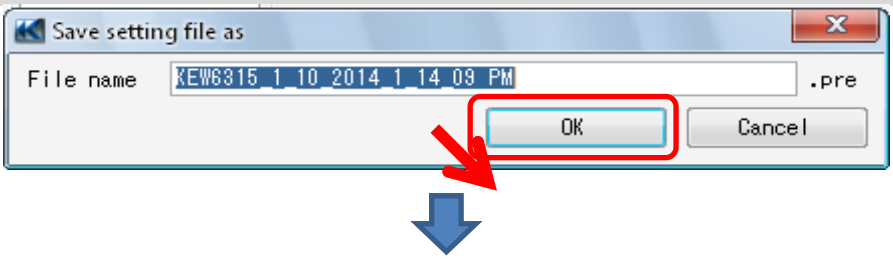
Save the edited setting.

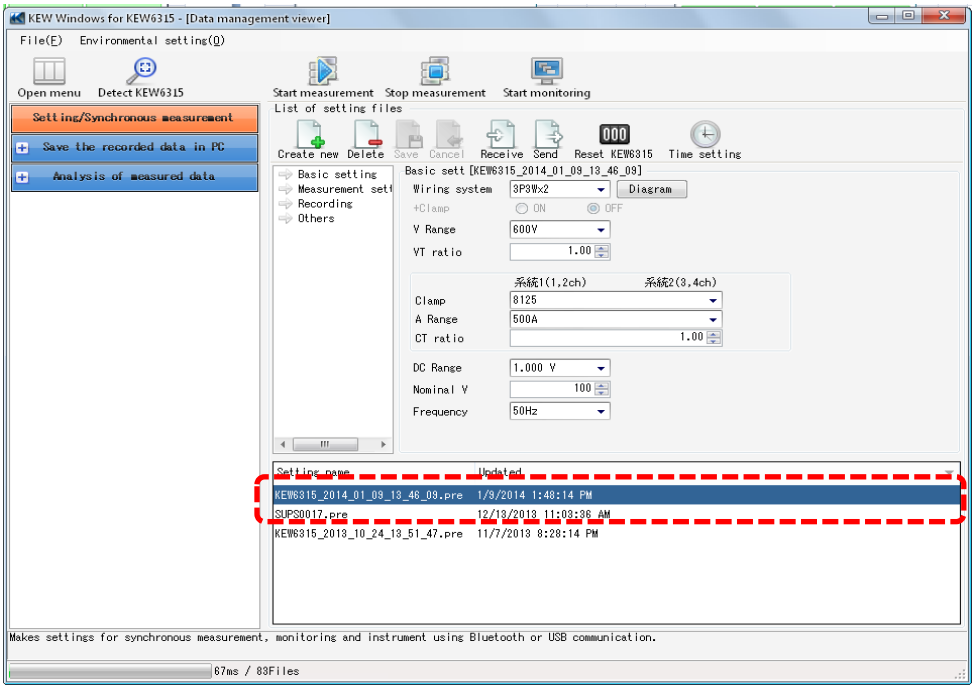
1 Click the [Save] icon.



KEW6315 Setting

2 Save the file under a new name.





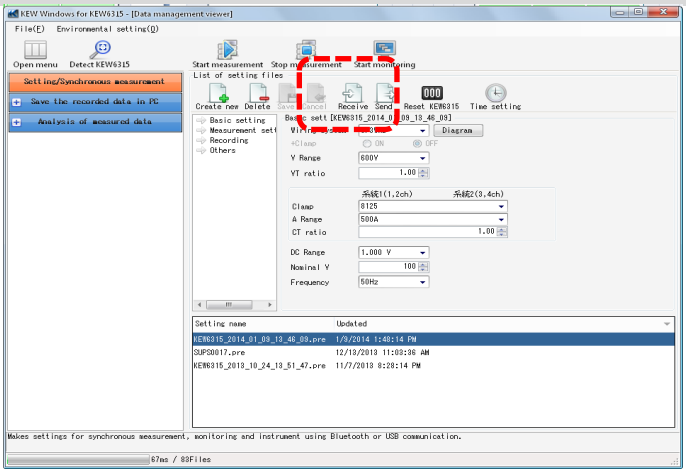
KEW6315 Setting

Setting data readout from KEW6315

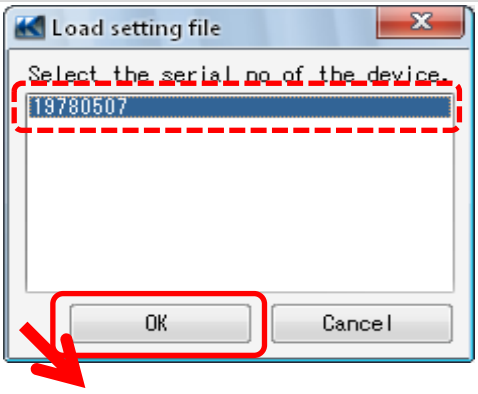
STEP 1

Readout the Setting data from KEW6315.

1 Click the *[Receive]* icon.



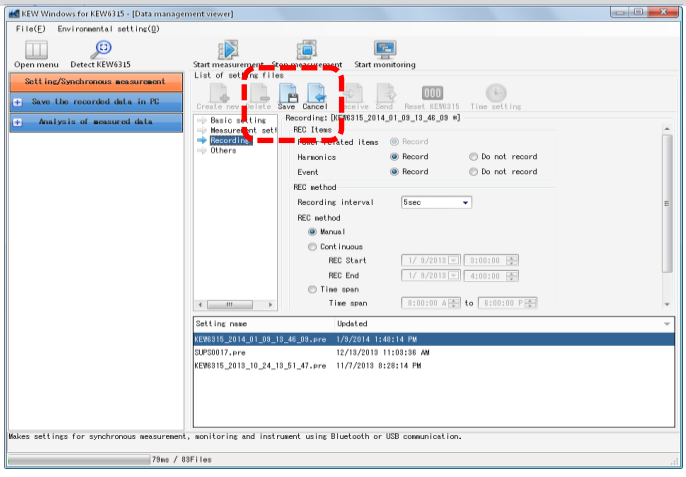
2 Select the serial no. of the connected KEW6315, and click *[OK]*.



STEP 3

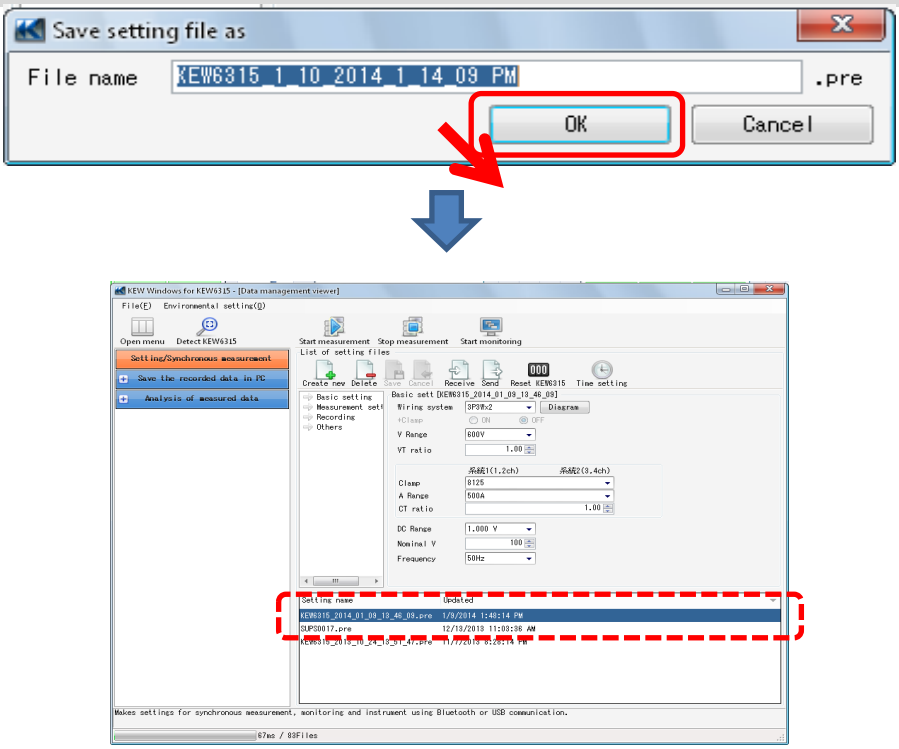
Save the received setting to PC.

1 Click the *[Save]* icon.



KEW6315 Setting

2 Save the file under a new name.



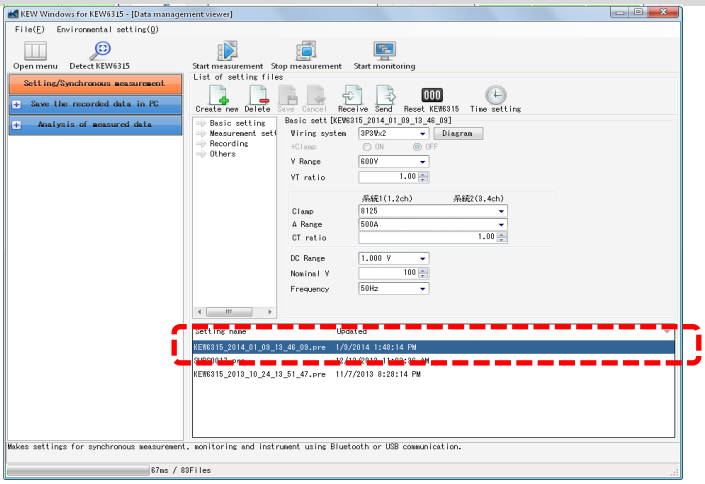
KEW6315 Setting

Reflecting edited setting data on KEW6315

STEP 1

Select a desirable setting data.

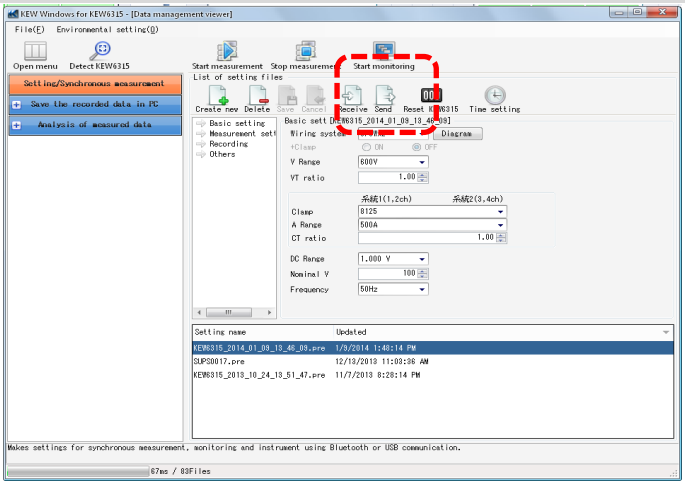
1 Select the setting data you want to reflect it on KEW6315.



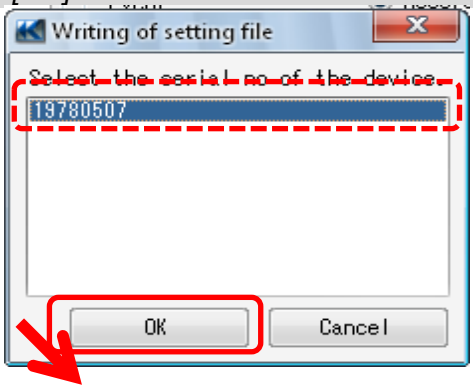
STEP 2

Reflect the selected setting data to KEW6315.

1 Click the *[Send]* icon.



2 Select the serial no. of the connected KEW6315, and click *[OK]*.



Real-time Measurement

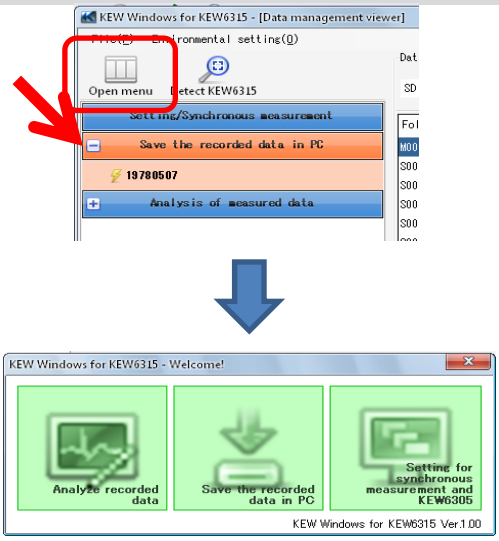
Starting synchronous measurement

Note) Graph and list data might not be updated and displayed properly depending on the spec and performance of the PC connected. For details, please refer to "Trouble-shooting" on page 79.

STEP 1

Open the Menu

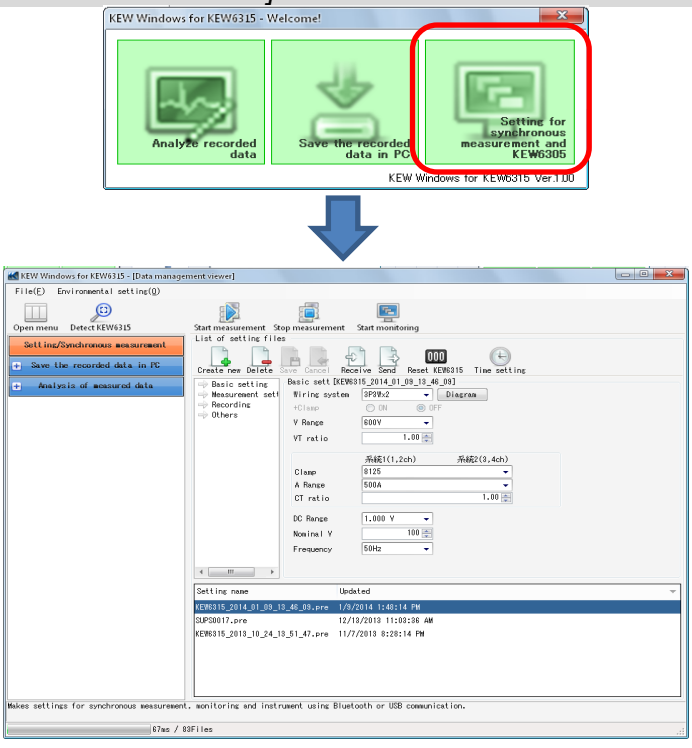
1 Click the *[Open menu]* icon on the *"Data management viewer"*.



STEP 2

Show the synchronous measurement control screen.

1 Click the *[Setting for synchronous measurement and KEW6315]* icon.

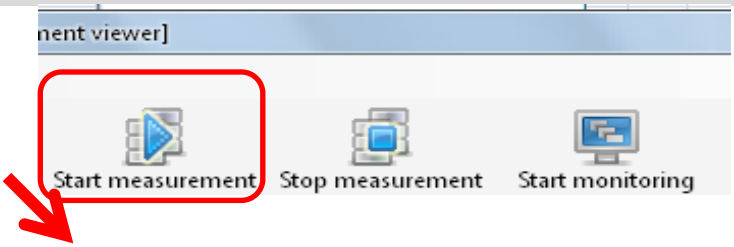


Real-time Measurement

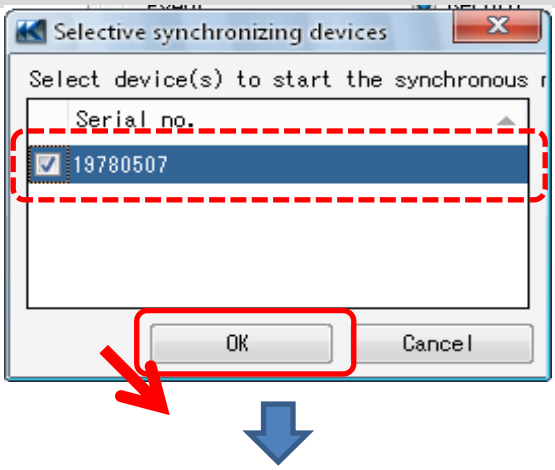
STEP 3

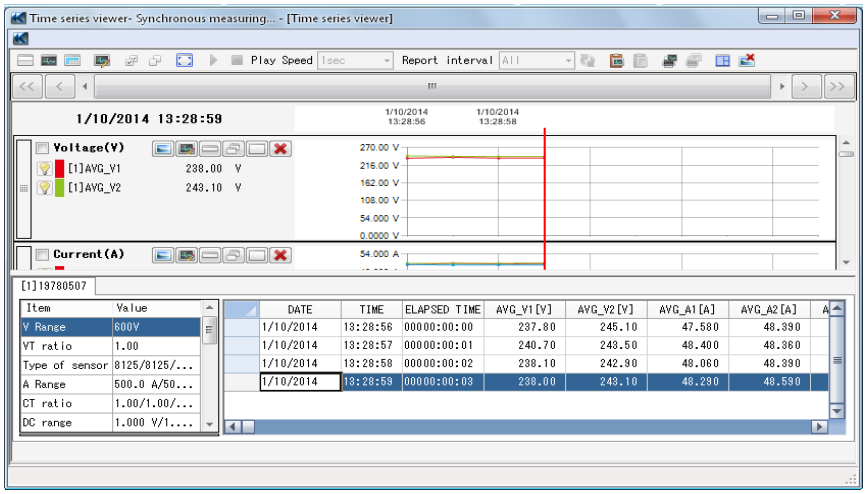
Start synchronous measurement.

1 Click the *[Start measurement]* icon.



2 Check the box for the serial no. of KEW6315 that performs synchronous measurement, and click *[OK]*.



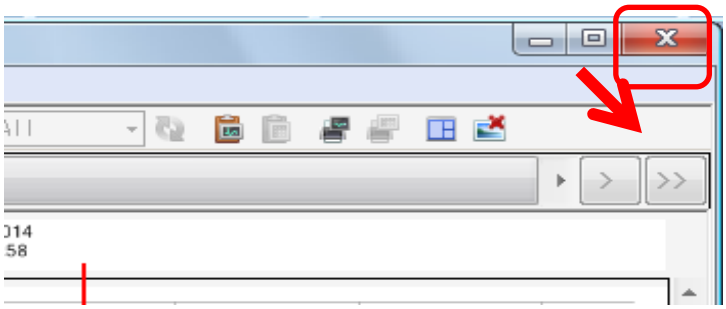


Real-time Measurement

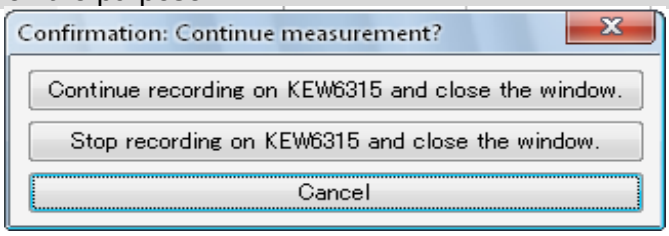
STEP 4

Close window.

1 Click [x] on the window.



2 Select any of the following three depending on the purpose.



"Continue recording on KEW6315 and close the window."

KEW6315 continues recording even after the window is closed. You can access to KEW6315 again and monitor the recording status. [Monitoring =>?.??]

"Stop recording on KEW6315 and close the window."

Recording will be stopped.

"Cancel"

You can back to the Real-time measurement screen.

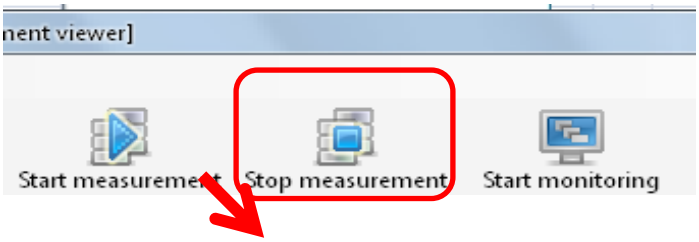
Real-time Measurement

Terminating synchronous measurement

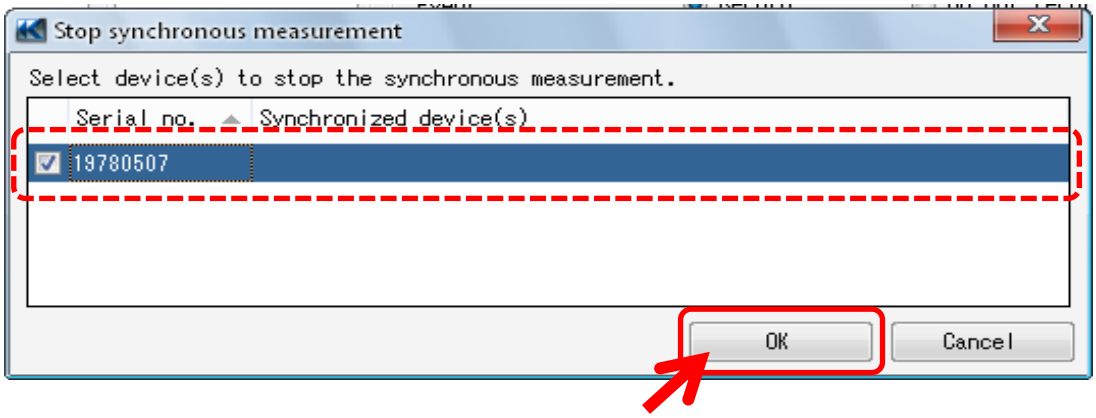
STEP 1

Stop synchronous measurement.

1 Click the *[Stop measurement]* icon.



2 Uncheck the box for the serial no. of KEW6315 to stop it, and click *[OK]*.



Real-time Measurement

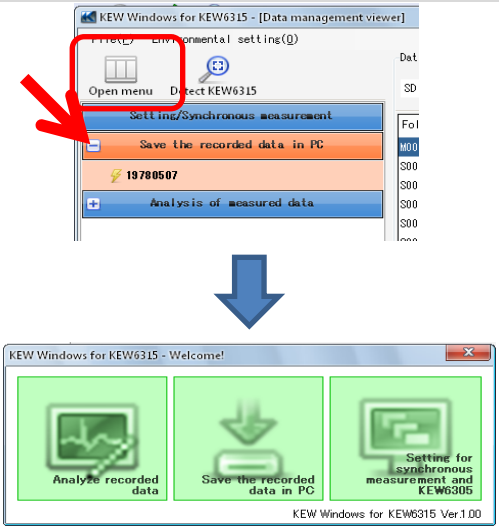
Synchronous measurement with 2-unit of KEW6315

Note) Graph and list data might not be updated and displayed properly depending on the spec and performance of the PC connected. For details, please refer to "Trouble-shooting" on page 79.

STEP 1

Open the Menu

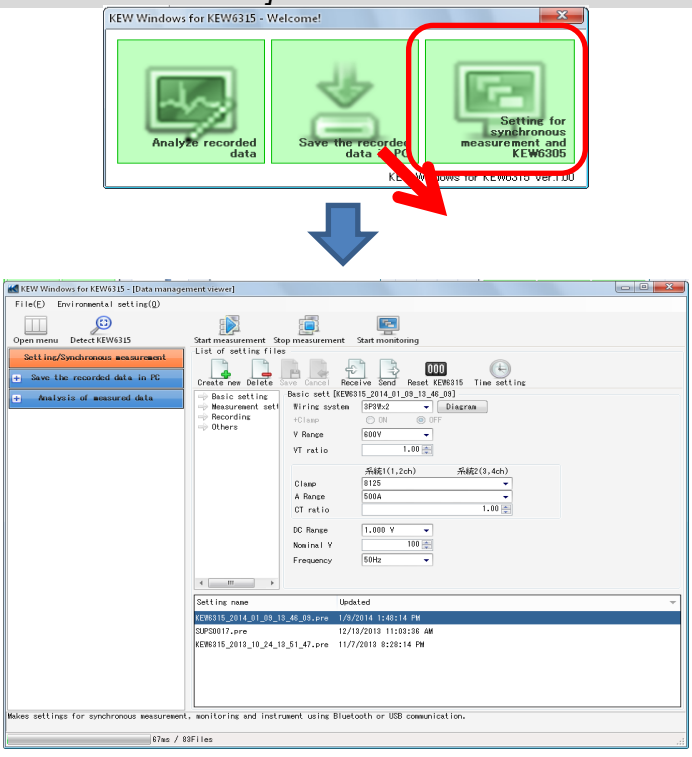
1 Click the *[Open menu]* icon on the *"Data management viewer"*.



STEP 2

Show the synchronous measurement control screen.

1 Click the *[Setting for synchronus measurement and KEW6315]* icon.

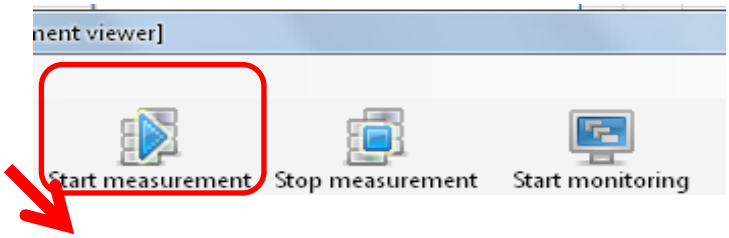


Real-time Measurement

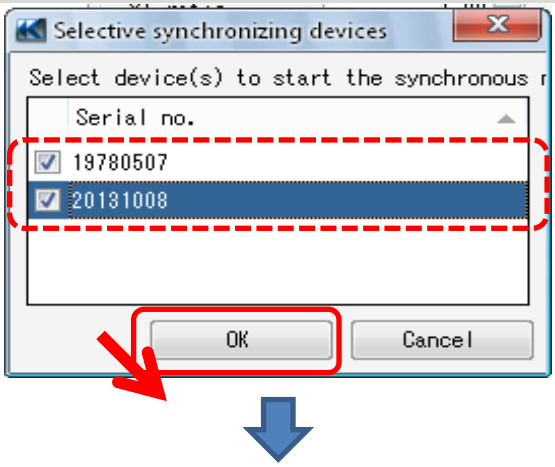
STEP 3

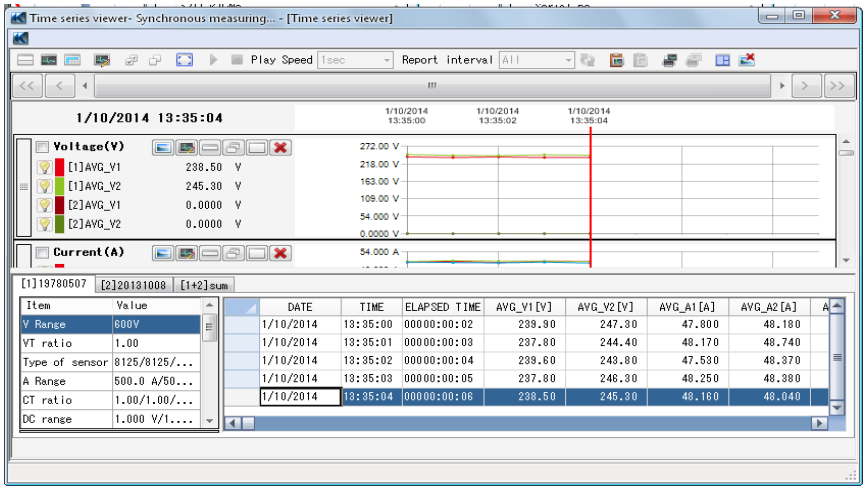
Start synchronous measurement.

1 Click the *[Start measurement]* icon.



2 Check the box for the serial no. of KEW6315 that performs synchronous measurement, and click *[OK]*.





Real-time Measurement

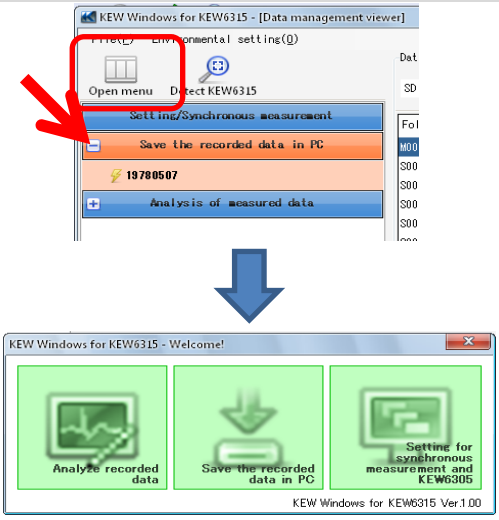
Monitoring

Note) Graph and list data might not be updated and displayed properly depending on the spec and performance of the PC connected. For details, please refer to "Trouble-shooting" on page 79.

STEP 1

Open the Menu

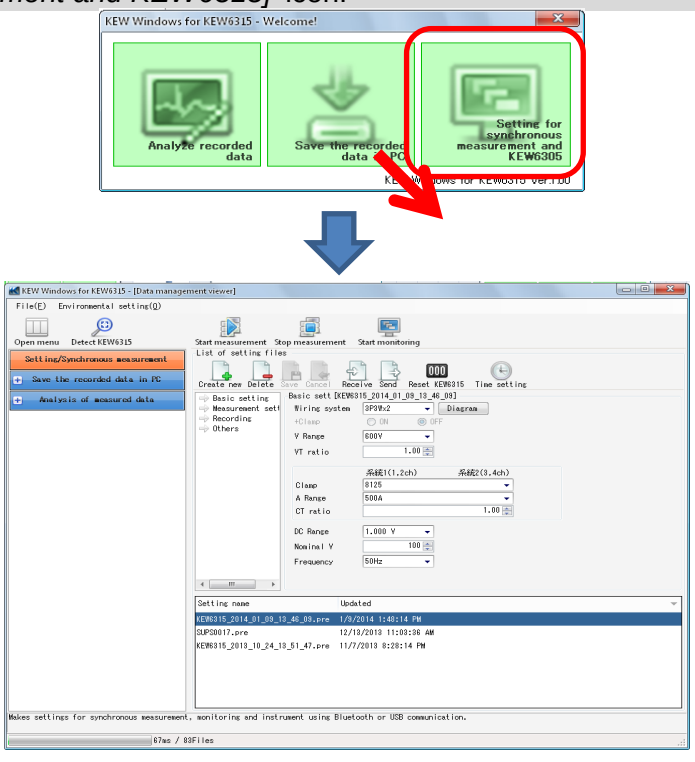
1 Click the *[Open menu]* icon on the *"Data management viewer"*.



STEP 2

Show the synchronous measurement control screen.

1 Click the *[Setting for synchronous measurement and KEW6315]* icon.

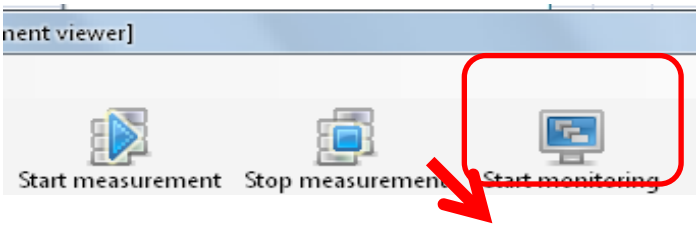


Real-time Measurement

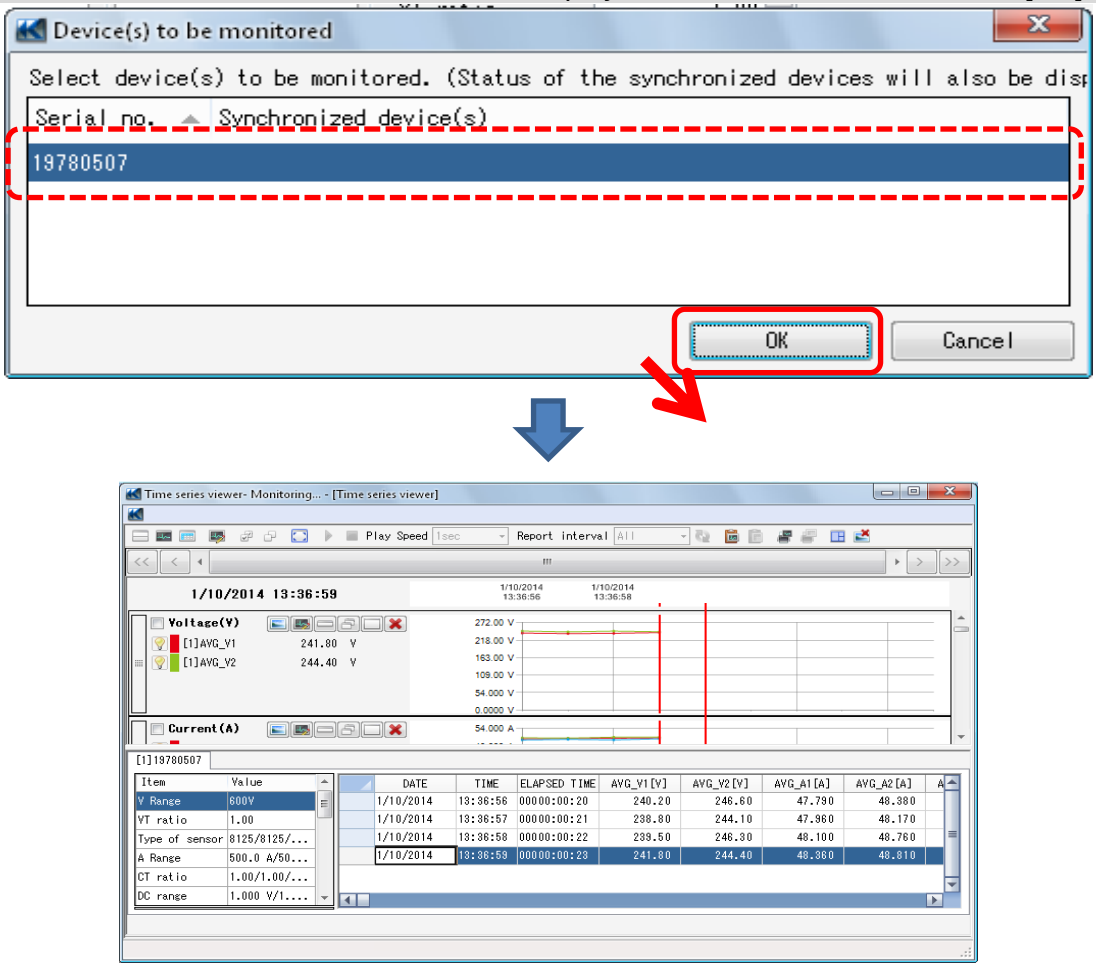
STEP 3

Start monitoring.

1 Click the *[Start monitoring]* icon.



2 Check the box for the serial no. of KEW6315 to be displayed on the PC screen, and click *[OK]*.



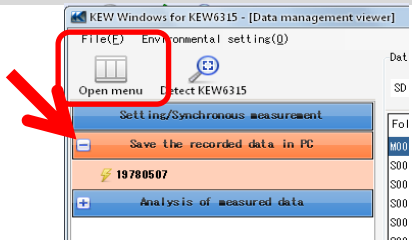
Other Functions

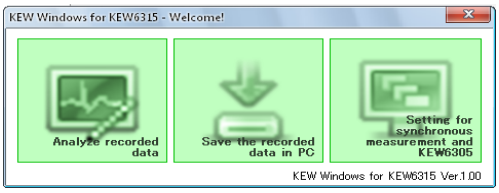
Summing the Power data stored in the separate units

STEP 1

Open the Menu

1 Click the *[Open menu]* icon on the *"Data management viewer"*.

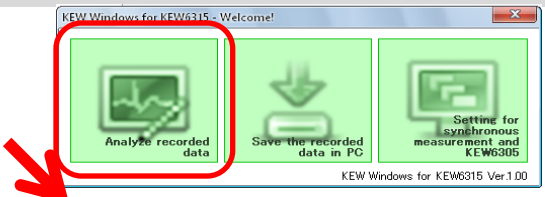


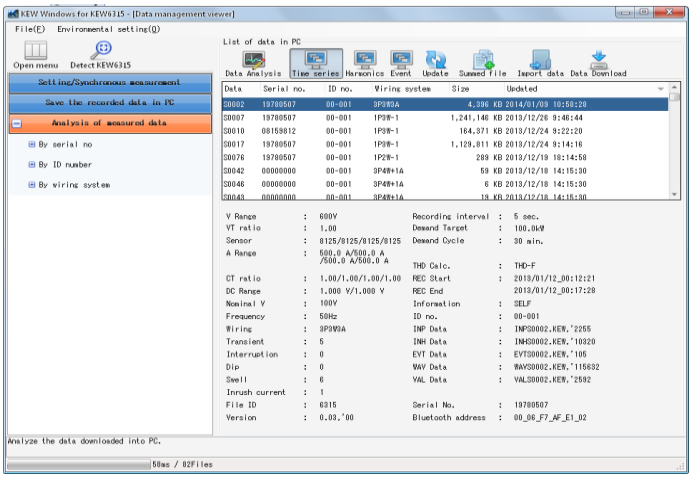


STEP 2

Show the list of data stored in PC

1 Click the *[Analyze recorded data]* icon.



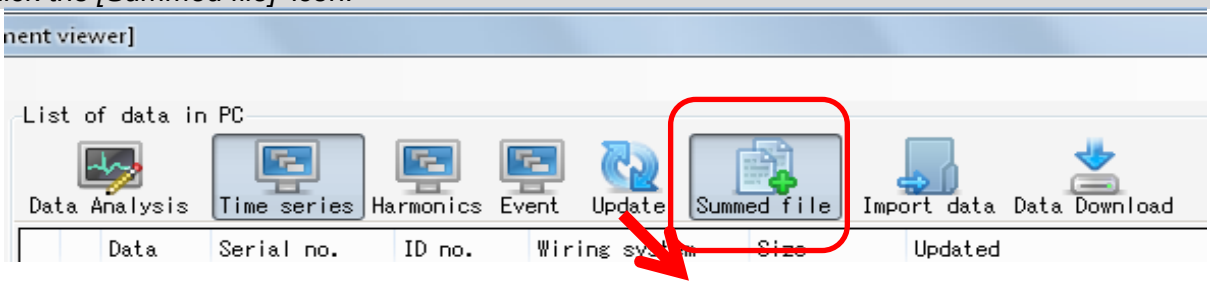


Other Functions

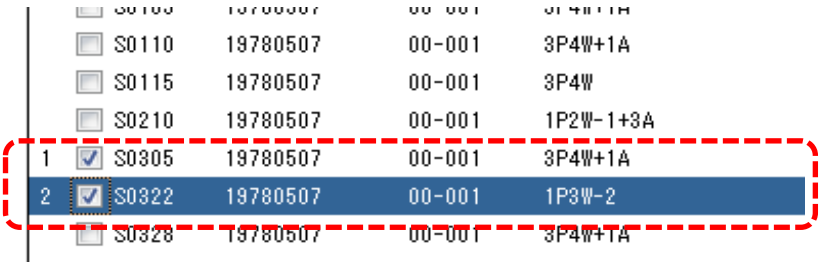
STEP 3

Sum two recorded data.

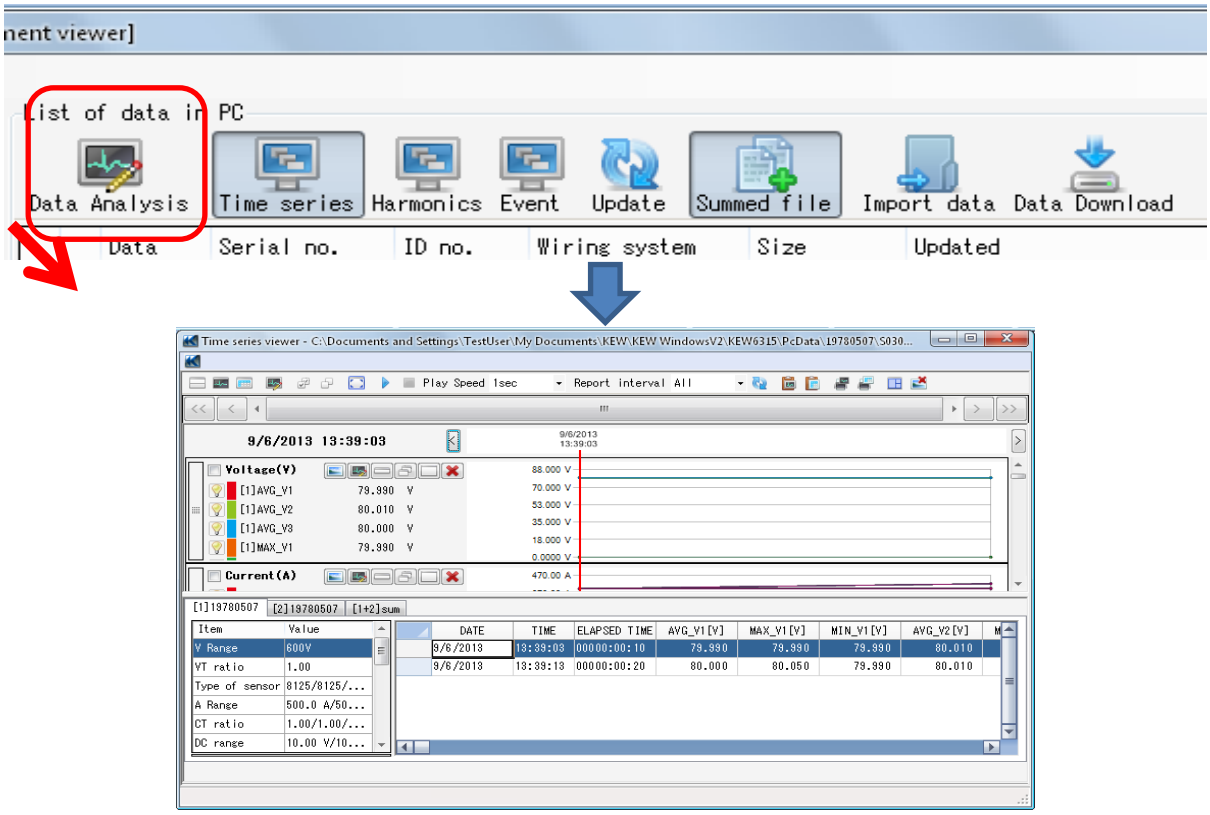
1 Click the *[Summed file]* icon.



2 Check two boxes to be summed.



3 Click the *[Data Download]* icon.



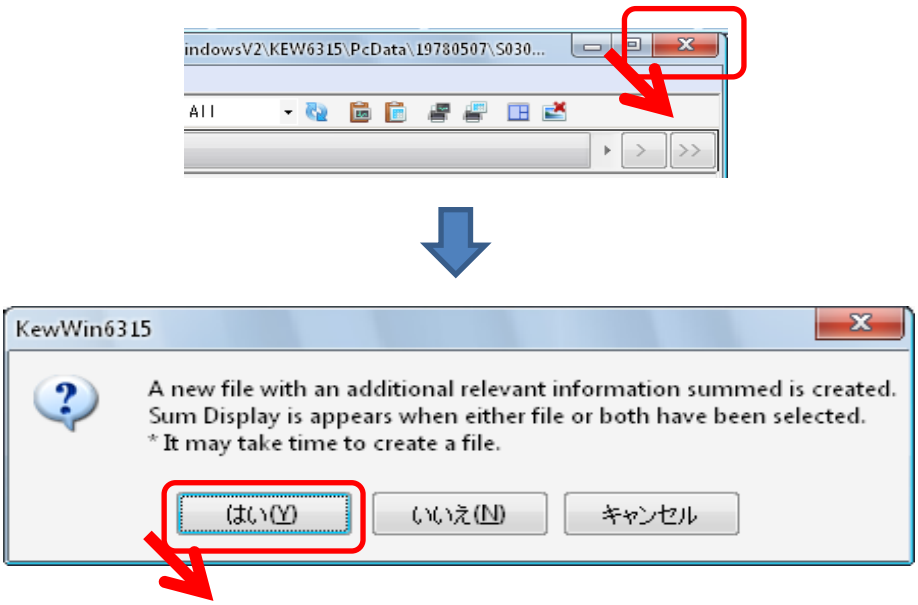
Other Functions

STEP 4

Save the summed data with file association information.

1 Save the summbed data with file association information.

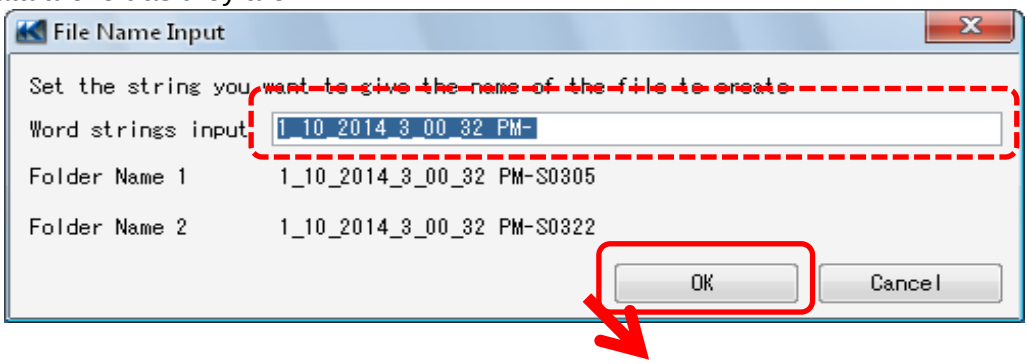
The confirmation window will appear when closing the viewer. Click *[Yes]*.



2 Share the common name.

A common name will be assigned as a prefix for the name of the two files associated with each other, and the copies of each data will be saved.

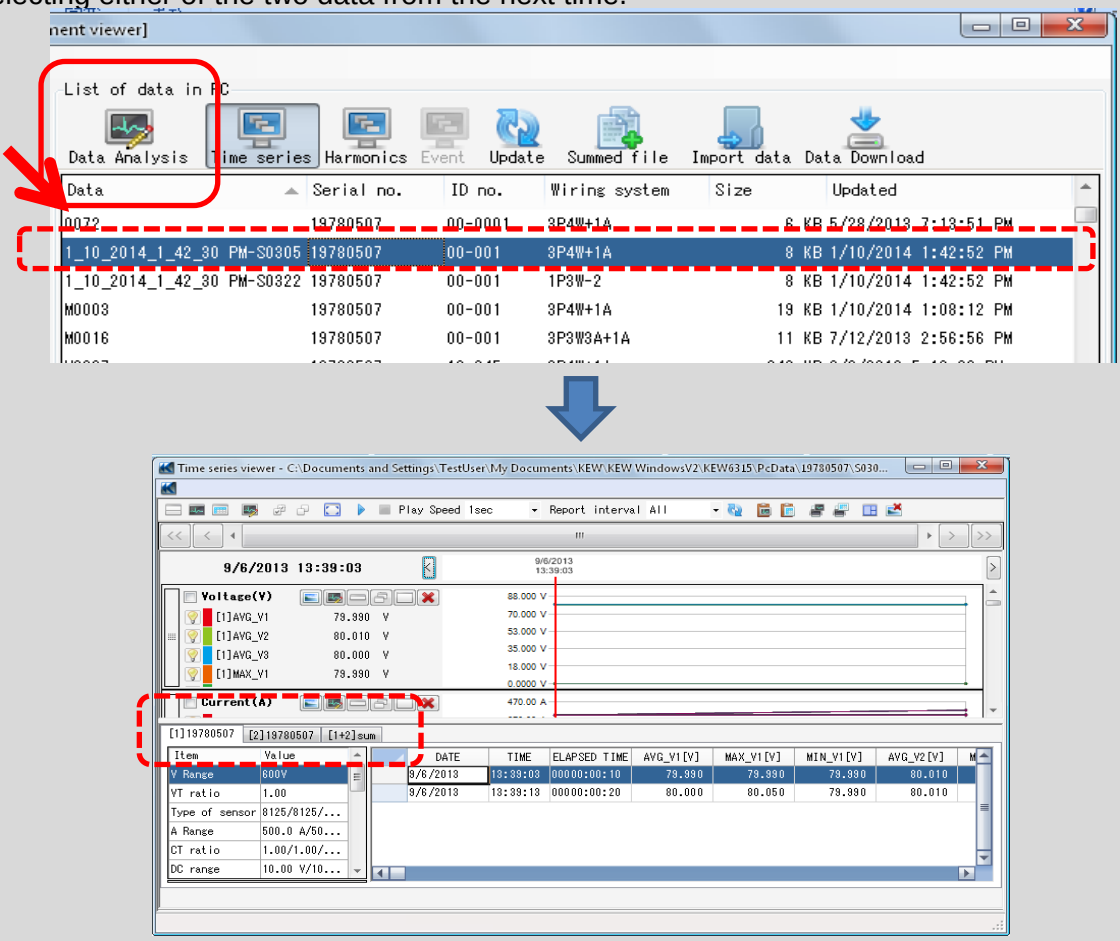
* Original two data are left as they are.



Other Functions

***Open the associated data files.**

The two files associated with each other will be summed and can be analyzed just by selecting either of the two data from the next time.



Other Functions

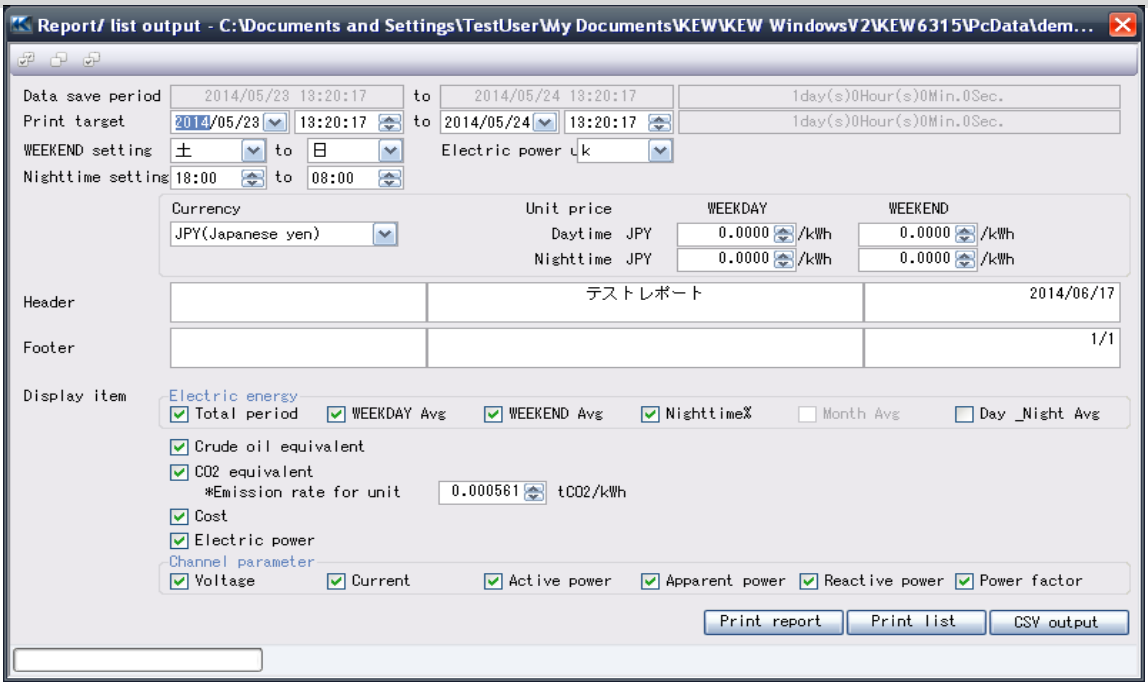
Printing Electricity usage report

STEP 1

Show the Report output screen.

1 Click the *[Data Analysis]* to show the Power data Analysis screen.

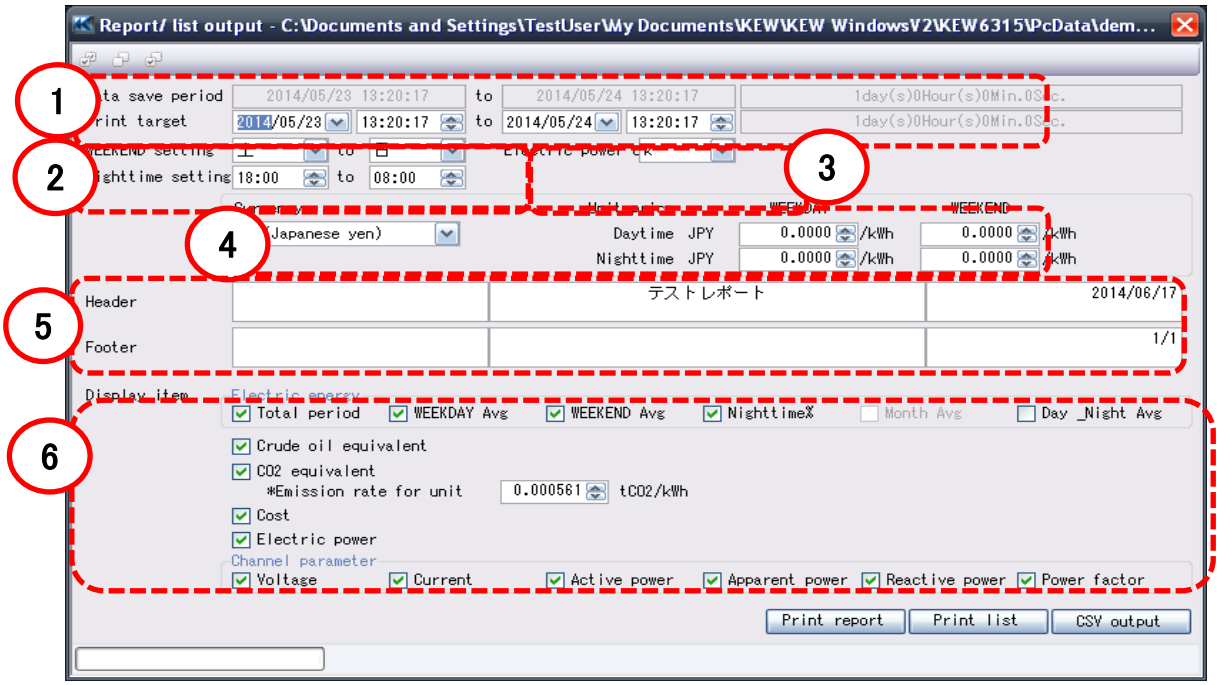
2 Click the *[Report/ list output]* icon.



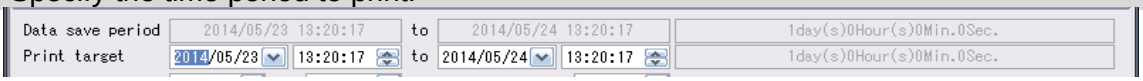
Other Functions

STEP 2

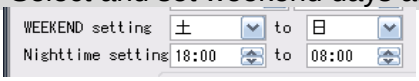
Parameters



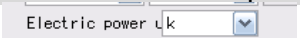
1 Specify the time period to print.



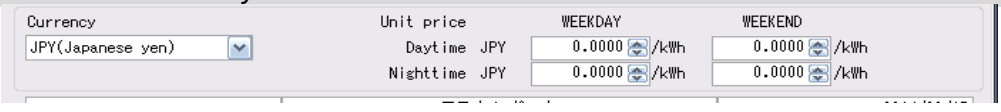
2 Select and set weekend days and nighttime period.



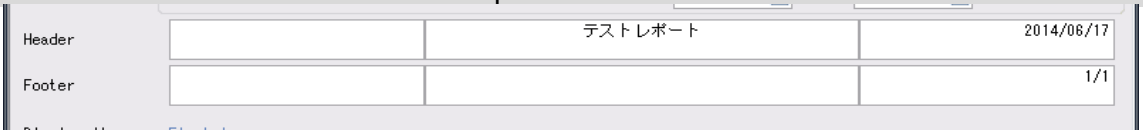
3 Select the unit for power.



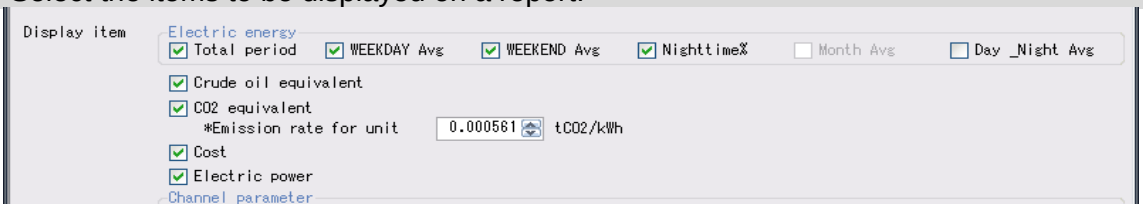
4 Select the currency and unit.



5 Enter words for Header/ Footer for report.



6 Select the items to be displayed on a report.

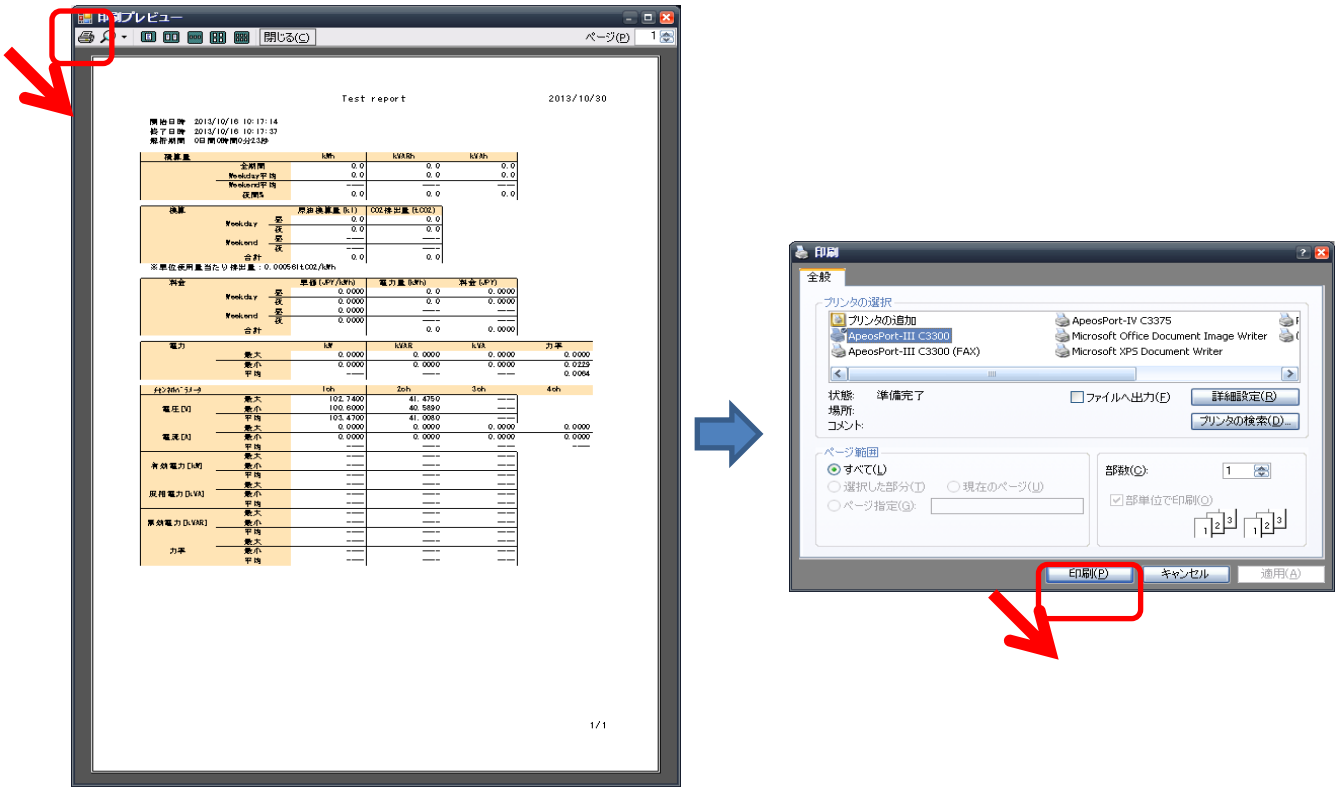


STEP 3

Print Report.

1 Click *[Print report file]* .

2 Print.

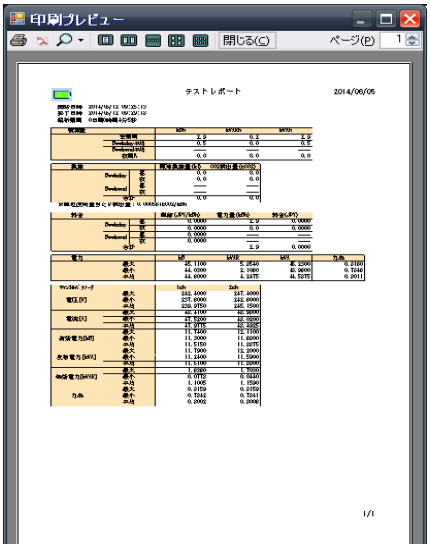


Exporting data in PDF format

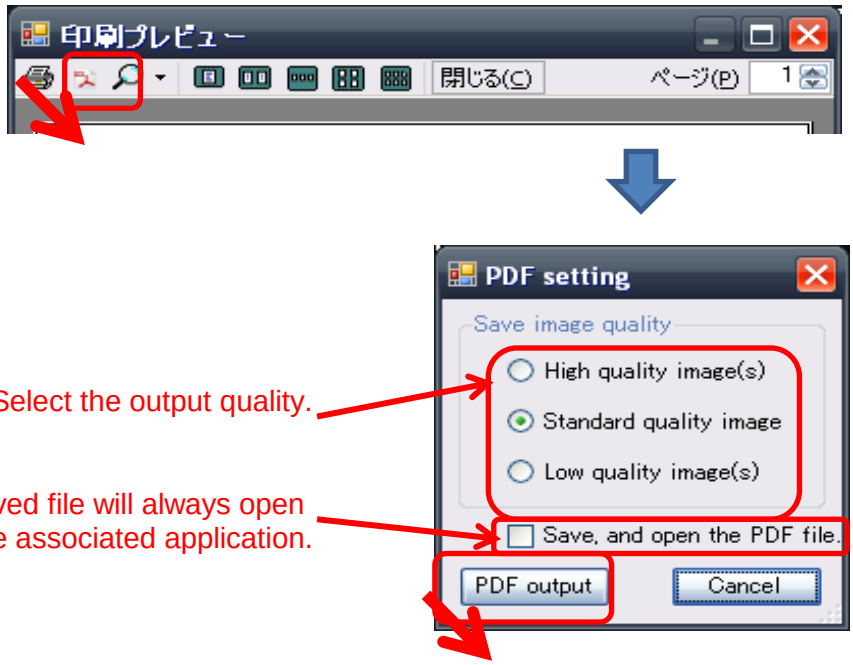
STEP 1

Opening PDF Output Window

1 Open the PrintPreview window.



2 Click the PDF Output Button.



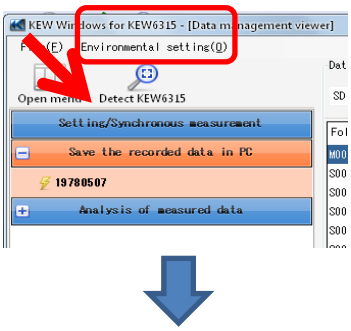
Environmental Setting

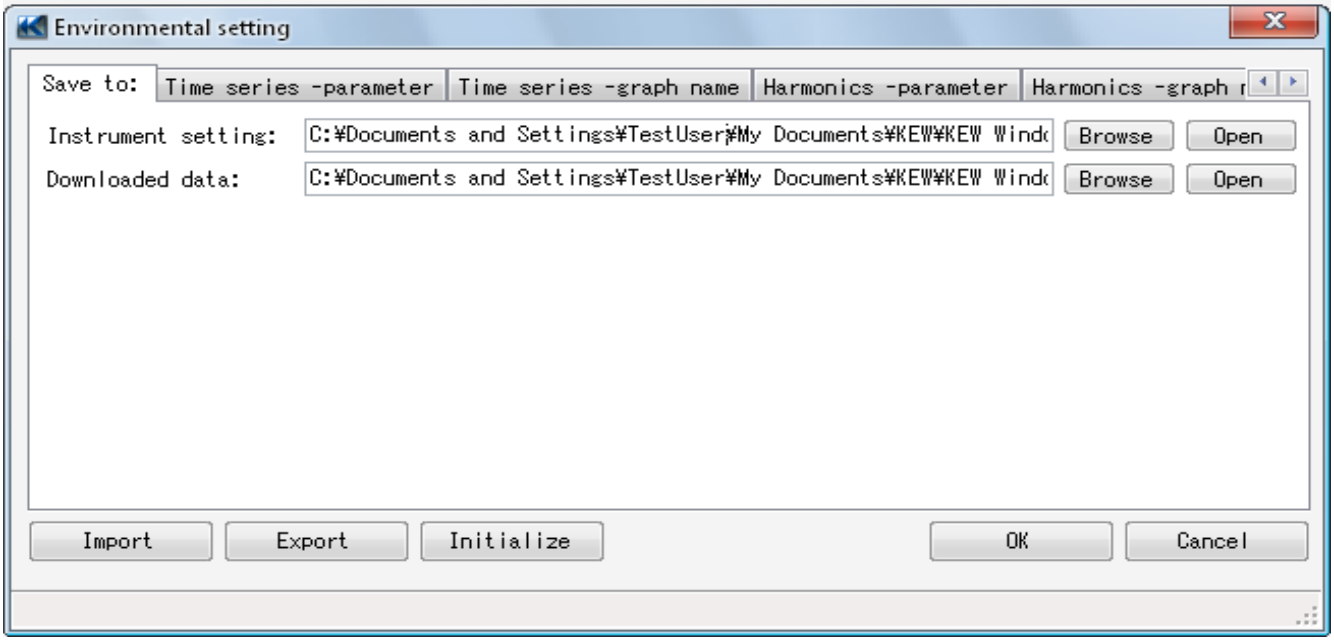
Changing the Operation setting for KEW Windows for KEW6315

STEP 1

Show the Environmental setting change screen.

1 Click *[Environmental Setting]* on the Menu bar.

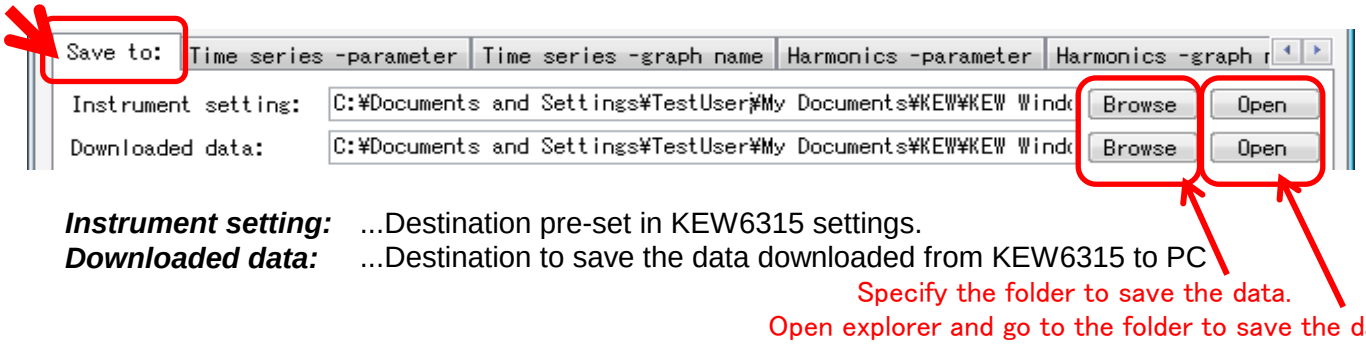




STEP 2

Change the Environmental settings.

1 Change the destination to save each data.
Click on *[Save to:]* tab.



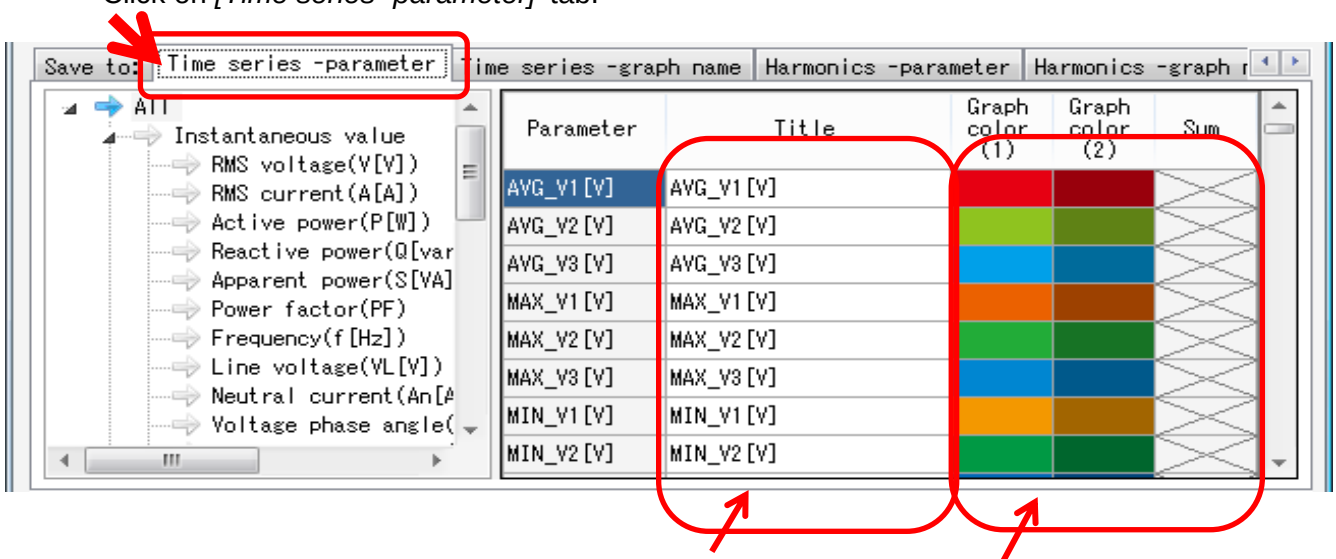
Instrument setting: ...Destination pre-set in KEW6315 settings.
Downloaded data: ...Destination to save the data downloaded from KEW6315 to PC

Specify the folder to save the data.
Open explorer and go to the folder to save the data.

Environmental Setting

2 Change the displayed items on graphs shown on Time Series viewer.

Click on *[Time series -parameter]* tab.



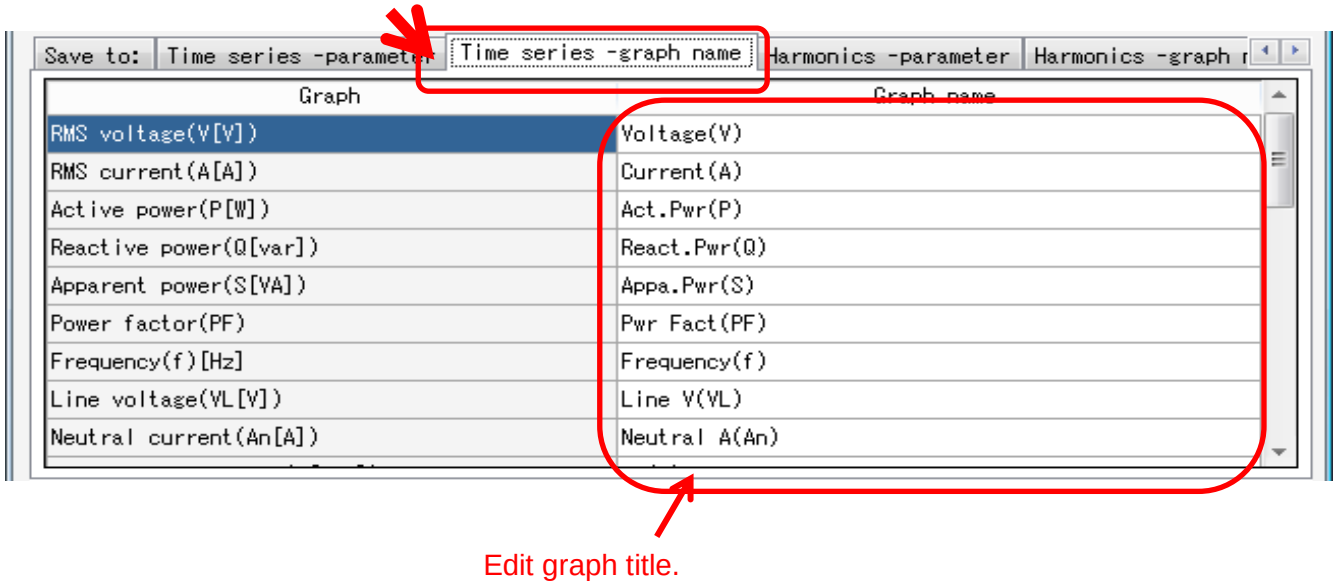
Edit the item names displayed on graph.

Select any colors for each item displayed on graph.

*To reflect these settings on the Time Series viewer under analysis, close the viewer on
then open it again.

3 Change the graph name displayed on Time Series viewer.

Click on *[Time series -graph name]* tab.

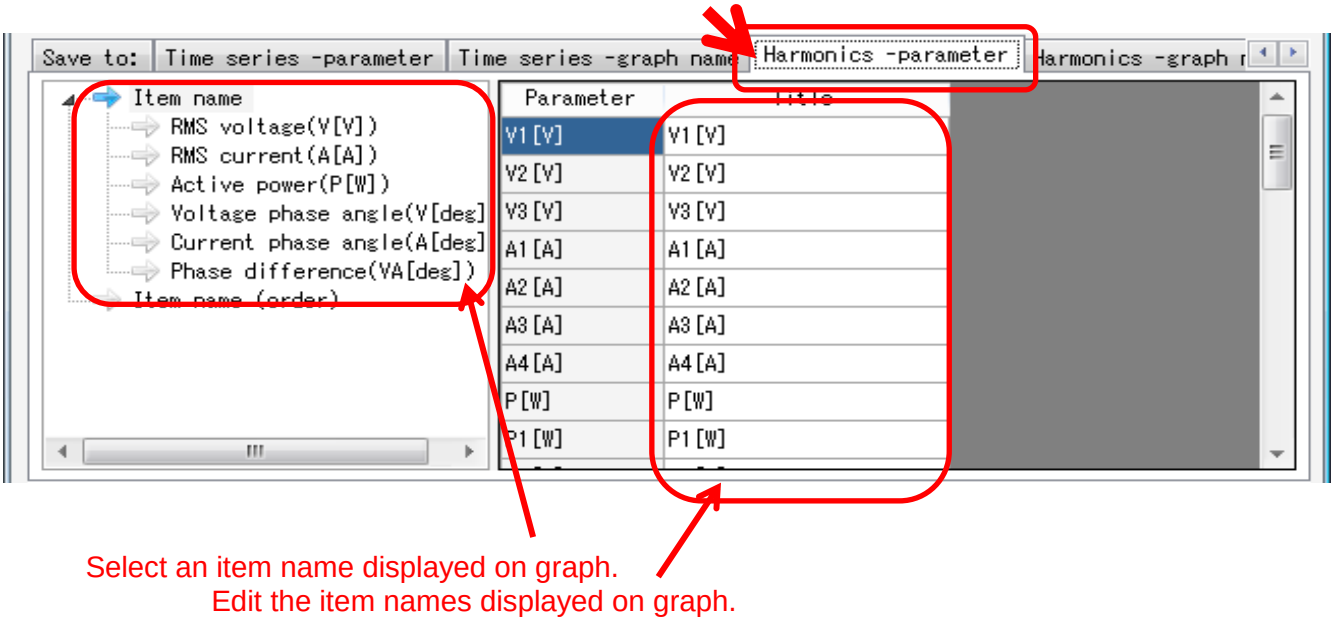


Edit graph title.

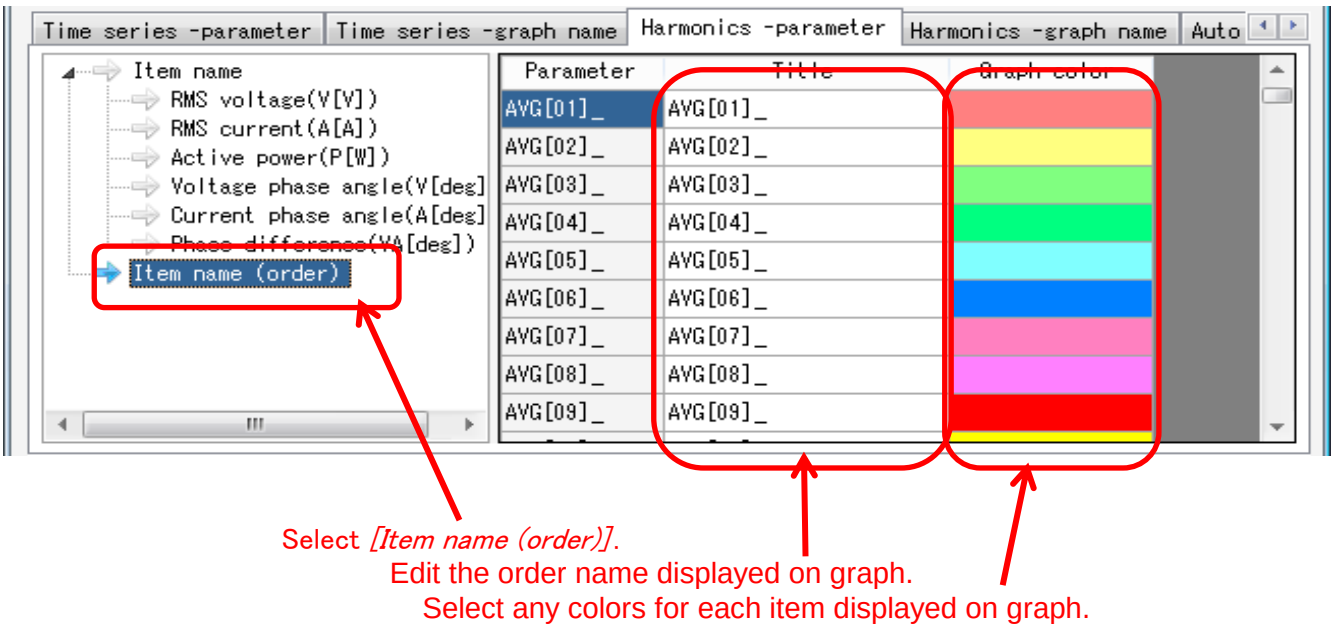
*To reflect these settings to the Time Series viewer under analysis, close the viewer once
and then open it again.

Environmental Setting

4 Change the displayed items on graphs shown on Harmonics viewer.
Click on *[Harmonics -parameter]* tab.



Select an item name displayed on graph.
Edit the item names displayed on graph.



Select *[Item name (order)]*.
Edit the order name displayed on graph.
Select any colors for each item displayed on graph.

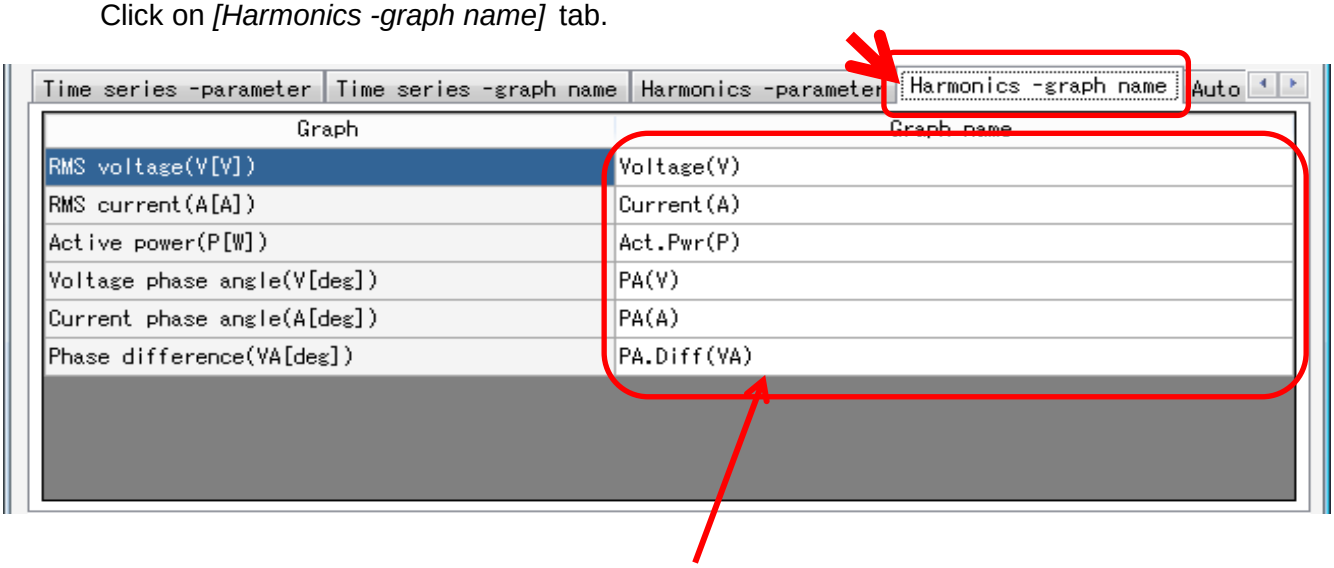
*The name to be displayed will be *"Item name"* + *"Item name(oder)"*.
(e.g. "V1[V]" + "AVG_01" ..."V1[V]AVG_01")

*To reflect these settings to the Time Series viewer under analysis, close the viewer once and then open it again.

Environmental Setting

5 Change graph names shown on Harmonics viewer.

Click on *[Harmonics -graph name]* tab.

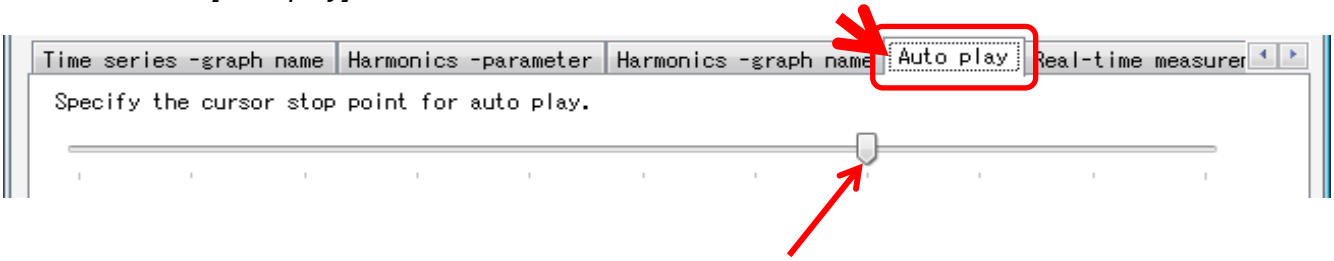


Edit the graph name.

*To reflect these settings to the Time Series viewer under analysis, close the viewer once and then open it again.

6 Change Auto-play settings.

Click on *[Auto play]* tab.

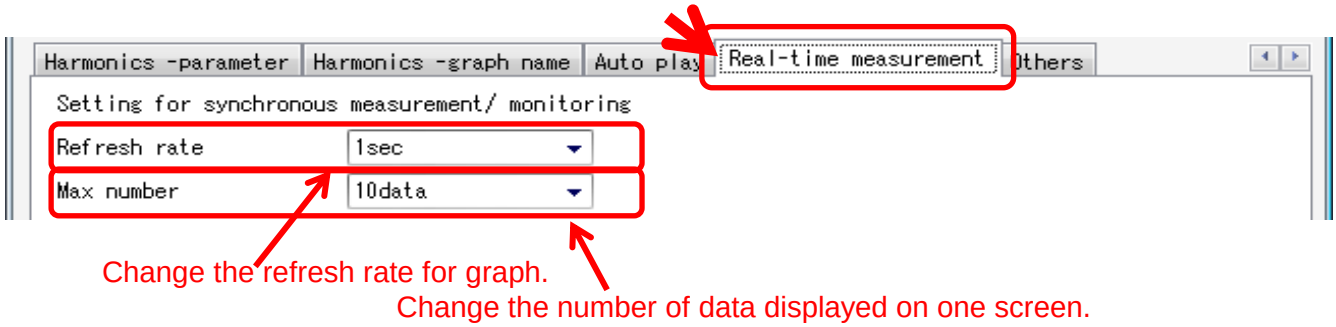


Move the cursor to the desirable start point.

Environmental Setting

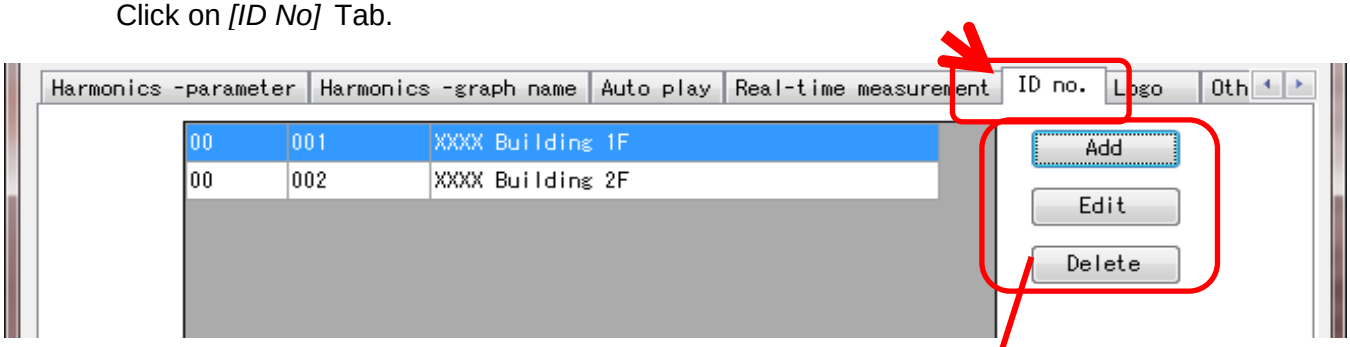
7 Change real-time measurement settings.

Click on *[Real-time measurement]* tab.

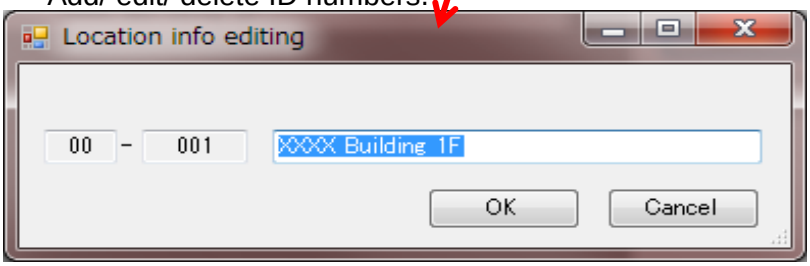


8 Register the ID No.

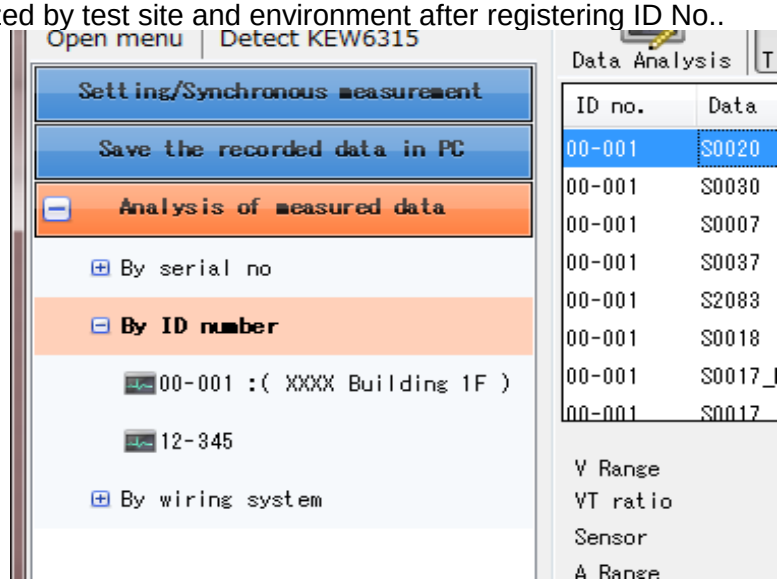
Click on *[ID No]* Tab.



Add/ edit/ delete ID numbers.



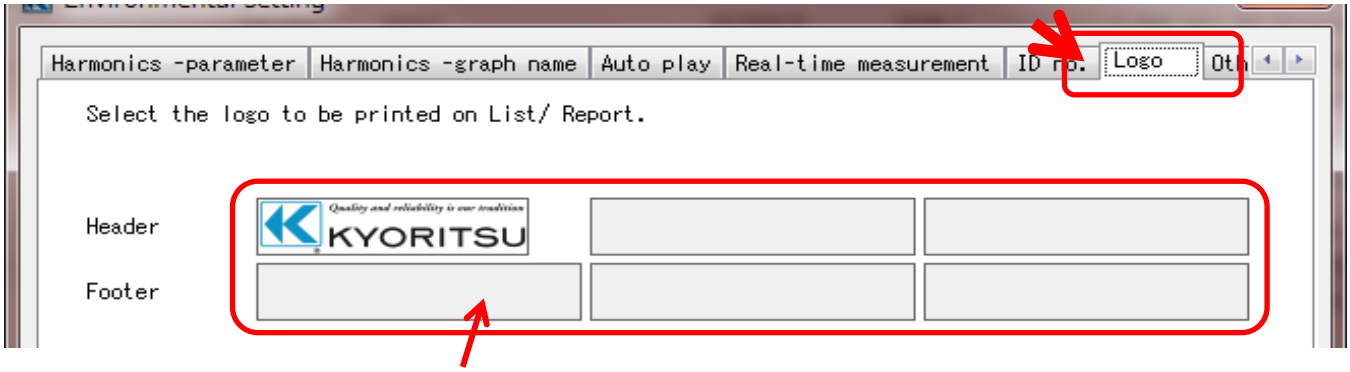
Measured data can be organized by test site and environment after registering ID No..



Environmental Setting

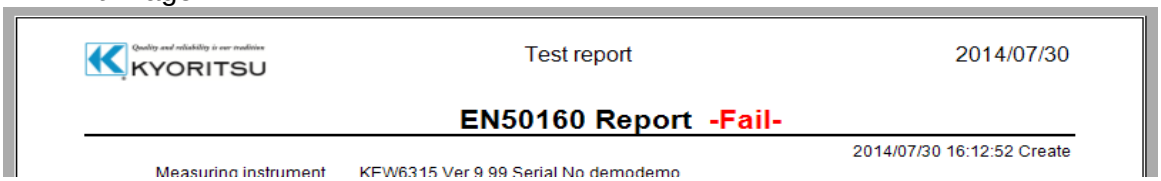
9 Add logos to be displayed.

Click on *[Logo]* tab.



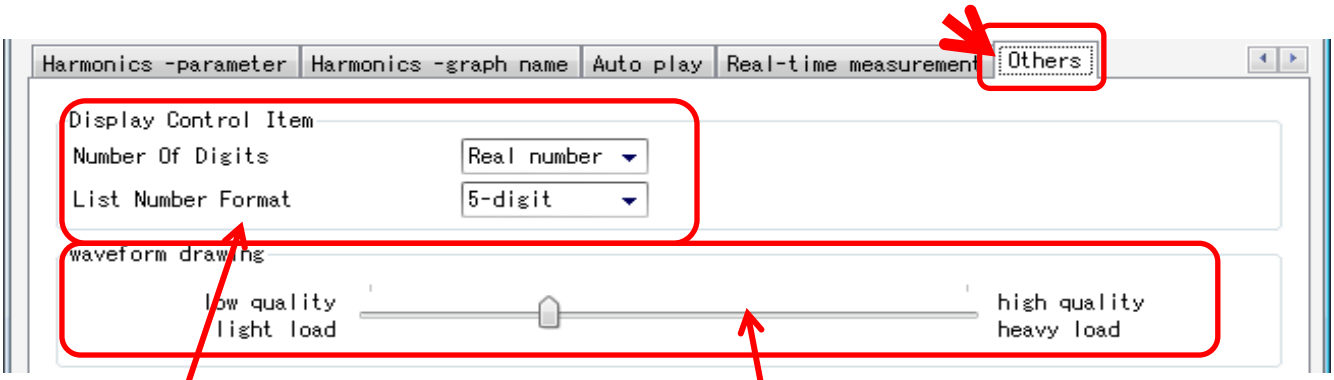
Add logos to be displayed and printed with a list or report.
Select an area (for Header or Footer) and add logo data (image file).
Click the added logo to delete it.

Print image



10 Other setting items

Click on *[Others]* tab.



Change the numerical display form.
If you prefer Real number display,
specify the number of digits.

Adjust the fineness of waveforms for Event data.

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Trouble-shooting

* KEW6315 is not displayed on the list although it has been connected with PC by using USB cable.

Disconnect and reconnect the USB cable. Then click "Redetect".

If KEW6315 were not displayed after trying above procedure, USB driver may not be recognized properly. Follow the procedure below and reinstall the driver.

Insert the supplied CD into PC and right click on the CD drive. Then click "Open" on the displayed list. Then you can see "DRIVER" folder. Start "kewusb***_setup.exe" to start installation.
Please refer to the Installation manual for further details.

* Communication between KEW Windows for KEW6315 and KEW6315 unit fails while using USB communication.

If communication processes such as synchronous measurement, data download or instrument setup cannot be done while using USB communication, click "Detect KEW6315". Then disconnect and reconnect the USB, and click "Detect KEW6315".
Check that the serial no. of the connected KEW6315 is displayed under "Data download".

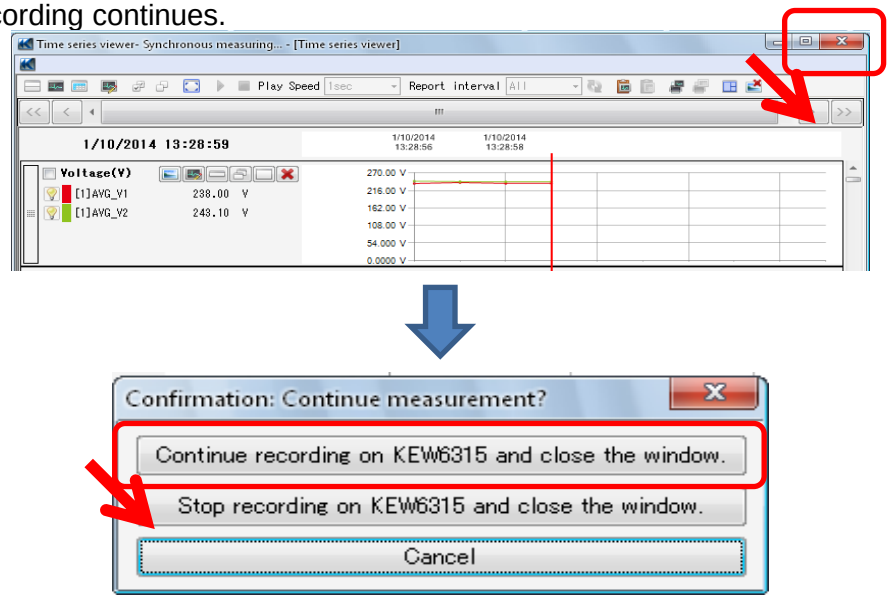
* Downloading time

Downloading time will be longer when file size becomes bigger.
It is recommended to use SD card to copy big data to PC.
USB transfer rate : approx. 27sec. for transferring internal data of 3MB
Bluetooth transfer rate : approx. 10.5min. for transferring internal data of 3MB

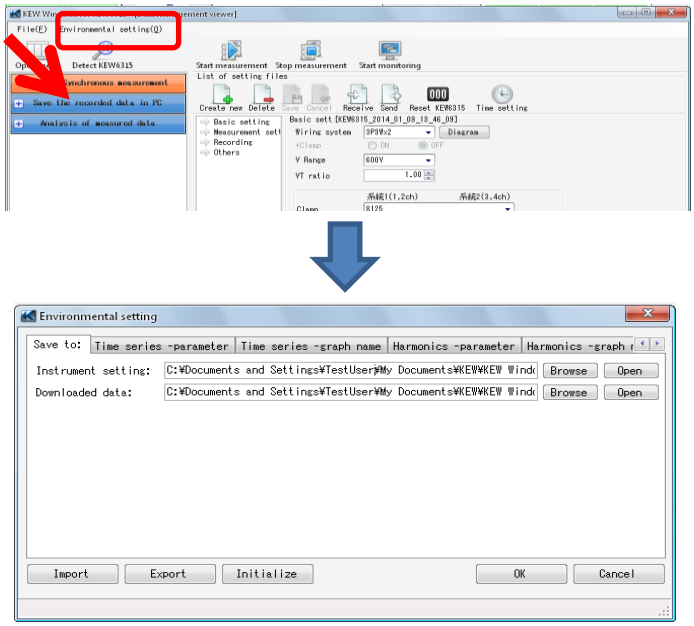
* Delayed update of graph and list at synchronized and monitoring measurement

Display update may not be properly done at the interval set via Environment setting depending on PCs. When "----" (bars) is displayed at List display, lag of update is suspected. Please follow the steps below and extend the update interval.

1 Click on the “x” in the upper right corner of the window.
The viewer is closed, but the recording continues.



2 Click on the "Environment Setting" tab in menu bar.
The environment setting window will open.



3 Adjust the settings of real-time measurement.
Click on the "Real-time measurement" tab and adjust "Refresh rate" to change display update interval.