# Help Manual for KEW Windows for KEW6305



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#### 1. Introduction

KEW Windows for KEW6305 (hereinafter, referred to as "application" in this manual) is the special application for KEW6305. This application can analyze the measured data, download the recorded data and also configure KEW6305 unit. Basic functions of this application are as follows.

Settings

Can make settings of measurement time, clamp sensor, voltage range and current range for each measurement mode of KEW6305. (These settings can also be done on KEW6305 unit.) Settings done on KEW6305 can be checked on this application.

Can send updated settings from PC to the instrument and change its settings.

Download

KEW6305 internal saved data can be transmitted to PC. Data saved on the external memory, such as SD cards, can be transmitted to PC.

• Synchronous measurement

Starts measurement by using the application and receives data at the preset intervals while KEW6305 is performing measurement and displays the result on PC.

• Monitoring

Receives data at the preset intervals while KEW6305 is recoding measurement data and displays the result on PC. Remote checking of measurements is possible without accessing KEW6305.

• Data display

Measured results in KEW6305 can be displayed in graphic or numeric form. Can zoom out/ in graph by clicking any point along a graph. To analyze data on your PC; download the data, measured with KEW6305, to your PC. Please refer to "4. Data download" or "17. Measured data import" in this document.

- Print Can print out graphs and lists.
- Data Sum

It is possible to show Sum Display for individual measurement data of 2 Power Meters. (Data can be used for Combined Display is Active Power, Apparent Power, Active Energy, Apparent Energy and Demand)

In case measurement is done using 2 Power Meters through a PC system, sum data is shown automatically when you choose either data for the analysis.

#### 2. Environmental requirements

System requirements:

- CPU : Pentium 4 1.6GHz or more
- Memory : 512Mbyte or more (for Windows XP)
  - 1Gbyte or more (for Windows 10/8/7/ Vista)
- OS : Windows 10/8/7/Windows Vista/Windows XP
- (32bit/64bit)
- 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

#### 3. Getting started

- 3-1 Start KEW Windows for KEW6305 (while KEW6305 is being connected)
- 1. Start KEW WindowsV2 from the desktop shortcut or from Start menu -> All programs -> KEW -> KEW WindowsV2.
- 2. Select KEW6305, and click "Start".

KEW WindowsV2		×
	·	s our tradition TSU
Select model(s) from the list		
Model F	°C Connection	
<b>KEW6305</b>	ON	Start
Display options Connected devices only. Select the model(s) to be	displayed.	
<u>Version info</u>	Re-detect	Close

The selected "Start" buttom start KEW Winodws for KEW6305.

When the "ON" is not displayed on the PC Connection while KEW6305 is being connected with PC via USB or Bluetooth, click "Re-detect".

If KEW6305 is not displayed after clicking "Re-detect", please see "18. Troubleshooting" and find causes and solutions.

- 3-2 Start KEW Windows for KEW6305 (while KEW6305 is NOT connected)
  - 1. Start KEW WindowsV2 from the desktop shortcut or from Start menu -> All programs -> KEW -> KEW WindowsV2.

KEW WindowsV2		×
Quality and the KYC	v	
Select model(s) from the list		
Model P	C Connection	
EW6305	OFF	Start
Display options		
🔲 Connected devices only.		
Select the model(s) to be	displayed.	
<u>Version info</u>	Re-detect	Close

2. Select KEW6305, and click "Start". The selected "Start" bottom start KEW Winodws for KEW6305.

#### 4. Data download

- 4-1 Download KEW6305 internal files to PC
- Select "Save the recorded data in PC" on the Menu window. Menu window will appear when starting the application or click "Open menu" on Data management viewer.

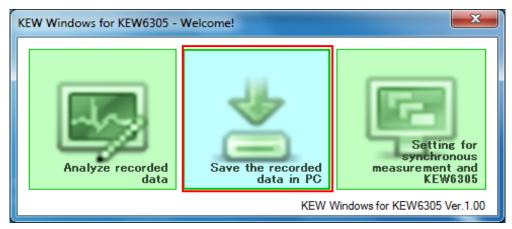


- Select any serial no. listed in the tree view, below the "Data download", on the left side of the window. Serial no. is marked on the backside of KEW6305 unit.
- 3. Select the source from which you want to download the data. (Internal memory)
- 4. Select the file you want to download.
- 5. Click "Start downloading" to start downloading.

KEW Windows for K	EW6305 - [Data mar	anagement viewer]	
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	0	Data Download	1
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+ Analysis of m	asured data	52-ME024.KEW 29 KB 2012/02/29 13:06:26	
		_	

Download window will be closed when downloading process completes.

- 4-2 Download the data from external memory to PC
- Select "Save the recorded data in PC" on the Menu window. Menu window will appear when starting the application or click "Open menu" on Data management viewer.



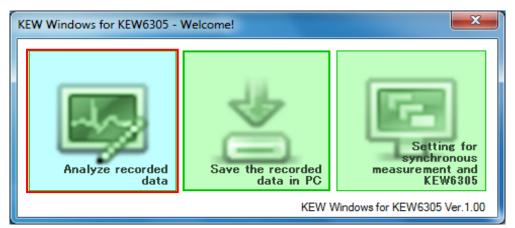
- Select any serial no. listed in the tree view, below the "Data download", on the left side of the window.
   Serial no. is marked on the backside of KEW6305 unit.
- 3. Select the source from which you want to download the data. (SD card)
- 4. Select the file you want to download.
- 5. Click "Start downloading" to start downloading.

KEW Windows for KEW6305 - [Data mana	agement viewer]
File(E) Environmental setting( <u>0</u> )	
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Setting/Synchronous measurement	Data name 🔺 Size Updated
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✓ 08 12 25 80	52-SD0~1.KEW 9,552 KB 1/5/2012 11:16:20 AM 52-SD001.KEW 1 KB 1/19/2012 12:28:28 PM
+ Analysis of measured data	52-SD002.KEW 1 KB 1/19/2012 12:35:06 PM
	52-SD003.KEW 1 KB 1/19/2012 12:35:20 PM
	52-SD004.KEW 7 KB 1/19/2012 12:36:06 PM
	52-SD005.KEW 12 KB 1/19/2012 2:49:32 PM
	52-SD006.KEW 8 KB 1/19/2012 2:53:58 PM

Download window will be closed when downloading process completes.

### 5. Data analysis

- 5-1 Analysis procedure for KEW6305 internal data
- Select "Analyze recorded data" on the Menu window. Menu window will appear when starting the application or click "Open menu" on Data management viewer.



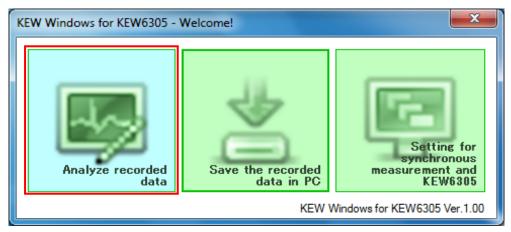
- 2. Select the file which you want to analyze.
- 3. Click the "Data Analysis" button.

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ID no. Miring V range Clamp A range	150V 8127		2/16/201 2/16/201	2 10:03:47 2 10:03:48 2 10:03:49	00000:00:04 00000:00:05	1.055E+02 1.055E+02 1.054E+02	1.042E+02 1.042E+02	8.664E+00 8.662E+00	8.388E+00 8.377E+00	+1.

Then the data contained in the selected file will be displayed.

- 5-2 Analysis procedure for downloaded data
- Select "Analyze recorded data" on the Menu window. Menu window will appear when starting the application or click "Open menu" on Data management viewer.



2. Select "Data download".

KEW Windows for KEW6305 - [Data man	nag	gement v	view	er]		
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3. Select any serial no. listed in the tree view, below the "Data download", on the left side of the window.

Serial no. is marked on the backside of KEW6305 unit.

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			52-SD003.KEW	1 KB 1/19/2012 12:35:20 PM
🗲 DEM000	UZ		52-SD004.KEW	7 KB 1/19/2012 12:36:06 PM
🗲 DEM000	03		52-SD005.KEW	12 KB 1/19/2012 2:49:32 PM

- 4. Select the source from which you want to download the data. (SD card or Internal memory)
- 5. Select the file you want to download.

6. Click "Start downloading" to start downloading the data. The downloaded data will be displayed when download window is closed.

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Clamp	8127	_	2	/16/2012 /16/2012	10:03:48 10:03:49	00000:00:05 00000:00:06	1.055E+02 1.054E+02	1.042E+02 1.042E+02	8.662E+00 8.666E+00	8.377E+00 8.375E+00	+1.
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# 6. Items displayed at data analysis

6-1 Items displayed on graph

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Wiring	1P3₩		2/1	6/2012	10:03:45	00000:00:02	1.055E+02	1.042E+02	8.696E+00	8.378E+00	+1.
V range	150V		2/1	6/2012	10:03:46	00000:00:03	1.055E+02	1.042E+02	8.665E+00	8.398E+00	+1.
Clamp	8127		2/1	6/2012	10:03:47	00000:00:04	1.055E+02	1.042E+02	8.664E+00	8.388E+00	+1.
A range	20A	-	2/1	6/2012	10:03:48	00000:00:05	1.055E+02	1.042E+02	8.662E+00	8.377E+00	+1.
Details			2/1	6/2012	10:03:49	00000:00:06	1.054E+02	1.042E+02	8.666E+00	8.375E+00	+1.
			0 /1	0/0010	10.00.50	00000.00.07	1 0555102	1 0 495109	0 0000700	0 4005700	⊥1 ▶

- 1. Date and time of the first analyzed data.
- 2. Date and time of the last analyzed data.
- 3. Date and time of the data pointed by the cursor.
- 4. Values contained in the data pointed by the cursor.

# 6-2 Items displayed on list

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Wiring	1P3₩		2/	16/2012	10:03:45	00000:00:02	1.055E+02	1.042E+02	8.696E+00	8.378E+00	+1.
V range	150V			16/2012	10:03:46	00000:00:03	1.055E+02	1.042E+02	8.665E+00	8.398E+00	+1.
Clamp	8127			16/2012	10:03:47	00000:00:04	1.055E+02	1.042E+02	8.664E+00	8.388E+00	+1.
A range	20A	•		16/2012	10:03:48	00000:00:05	1.055E+02	1.042E+02	8.662E+00	8.377E+00	+1.
Details				16/2012	10:03:49	00000:00:06	1.054E+02	1.042E+02	8.666E+00	8.375E+00	+1.
				10/2012	101-112-60	00000.00.07	IT UKKEID)	1 0.495±09	0 0002100	0 1005700	<u>⊥1</u>

- 1. Parameters displayed on the graph.
- 2. Measured values currently displayed on the graph.
- 3. Serial no. of the analyzed data.
- 4. Measured conditions of analyzed data

#### 7. Functions available at Data Analysis

Following functions are available at data analysis.

1. 2. 3.	4. 5.	6.	7.	8. 9	). 10.	11.	12. 13.	14. 15.	. 16. 1	7. 18
Time ser es viewer		Pla	y Speed 1se	c	Report interv	al All		- (Time se	iies (	- 5 x
2/16/2012 10:03:44	012 10:03:44	<		2/16/201 10:03:4					. [	2 13:03:43
□       Yoltage(Y)         ○       [1]         □       [1]	105.5 104.2	0 V		117 V 94 V 70 V 47 V 23 V 0 V						
[1]6305-102				33 A			-			
Item Va	alue 🔺		DATE	TIME	ELAPSED TIME			A1	A2	
	-102 📃		/16/2012	10:03:44	00000:00:01	1.055E+02		8.692E+00	8.401E+00	+1.
Wiring 1P			/16/2012	10:03:45	00000:00:02	1.055E+02		8.696E+00	8.378E+00	+1.
V range 15			/16/2012	10:03:46	00000:00:03	1.055E+02		8.665E+00	8.398E+00	+1.
Clamp 81			/16/2012 /16/2012	10:03:47 10:03:48	00000:00:04	1.055E+02 1.055E+02		8.664E+00 8.662E+00	8.388E+00 8.377E+00	+1.
A <u>range 20</u> Details	<u>A</u>		/16/2012	10:03:48	00000:00:05	1.055E+02		8.666E+00 8.666E+00	8.377E+00 8.375E+00	
			/16/2012 III	10.03.43	00000.00.00	1.0042102	1.0422402	0.0002700	0.0732400	+1. 🗸
463ms/flame										

- 1. Display All
- 2. Display graph only
- 3. Display list only
- 4. Edit display
- 5. Select All
- 6. Deselect
- 7. Full-scale display
- 8. Start Auto play
- 9. Stop Auto play
- 10. Play Speed
- 11. Report Interval
- 12. Change the Report interval
- 13. Copy Graph
- 14. Copy List
- 15. Print Graph
- 16. Output Report/ list
- 17. Arrange window
- 18. Close Sub graph

- Display graph and list on the Time series window. Display graph only on the Time series window.
- Display list only on the Time series window.
- Show/ hide graph or graph parameters.
- Check all the check boxes.
- Uncheck all the check boxes.
- Display all data in one page.
- Start auto-play.
- Stop auto-play.
- Change the play speed.
- Change the display interval.
- Reflect the changed Report interval.
- Copy the whole graph.
- Copy the selected part of the list.
- Print the currently displayed graph.
- Display the Report/list Output window.
- Optimize the size of graph and list to the Time
- series viewer window.
  - Close the sub graph window.

P av Speed 1sec       Report interval All       P av Speed 1sec       P av Speed 1sec <th 1sec<="" av="" speed="" th=""><th>19. 20.</th><th></th><th></th><th>21</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>22. 23</th><th>៹└└</th></th>	<th>19. 20.</th> <th></th> <th></th> <th>21</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>22. 23</th> <th>៹└└</th>	19. 20.			21								22. 23	៹└└
Image       Image <th< th=""><th></th><th>iewer - C:\Use</th><th>ers\kaihat</th><th>su_lang</th><th>uage\Des</th><th>ktop\1.0</th><th>)0∖engl</th><th>ish\KEW6305en</th><th>\PcData\6305</th><th>-102\52-SD999</th><th>.KEW - [Time</th><th>series</th><th></th></th<>		iewer - C:\Use	ers\kaihat	su_lang	uage\Des	ktop\1.0	)0∖engl	ish\KEW6305en	\PcData\6305	-102\52-SD999	.KEW - [Time	series		
X       X	81												- 5	
Z/16/2012       10:03:44       Z/16/2012       2/16/2012		5 5		PI PI	ay Speed	1sec	-	Report interv	al All	- 🚱 💼	1 4	🖪 🛃		
2/16/2012       10:03:44       2/16/2012       2/16/2012       2/16/2012       2/16/2012       2/16/2012       10:04:44       10:02:04         Voltase(Y)       Image       Image       Introduction       Introduction <thintroduction< th="">       Introduction       <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td></td></th<></thintroduction<>												0		
Voltage(V)       IIIV         117V       94 V         94 V       70 V         10 10       105.80 V         114.20       70 V         104.20       70 V         104.20       70 V         118305-02       10 V         118305-02       116/201         118305-102       10 V         118305       10					1		2/16/201	2 2/16/20	12 2/16	/2012 2/	16/2012		C	
N1       105.00 Y       94 V         104.20       70 V         47 V       70 V         70 V       70 V	2/1	6/2012 10	:03:44	. <										
Image: No	Voltage	e(V) 💽				1	17 V							
Image       104.20       47V       104.20       47V       104.20 <t< td=""><td>👰 📢</td><td></td><td>105.5</td><td>0 V</td><td></td><td>9</td><td>94 V</td><td></td><td></td><td></td><td></td><td></td><td>  </td></t<>	👰 📢		105.5	0 V		9	94 V							
Image         Image <th< td=""><td>III 🔣 🚺 🛛</td><td></td><td>104.2</td><td>0 X</td><td><math>\backslash </math></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>_  </td></th<>	III 🔣 🚺 🛛		104.2	0 X	$\backslash $								_	
Cu         rent (Å)         Cu         OV           1]6305-         02         3A           1]6305-         02         00         00           Item         Value         Value         A         A2           Viring         193W         Value         Value         A1         A2           Viring         193W         Value         A1         A2         A1           Viring         193W         Value         A1         A2         A1<		)	$\rightarrow$											
1]6305-02       DATE       TIME       ELAPSED TIME       A1       A2         Item       Value       Value <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>_  </td></td<>													_	
Item         Value         DATE         TIME         ELAPSED TIME         A1         A2           ID no.         10-102         Image         2/16/2012         10:03:44         00000:00:01         1.056E+02         1.042E+02         8.692E+00         8.401E+00         +1.           Wiring         1P3W         2/16/2012         10:03:44         00000:00:02         1.055E+02         1.042E+02         8.696E+00         8.378E+00         +1.           V range         150V         2/16/2012         10:03:44         00000:00:03         1.055E+02         1.042E+02         8.665E+00         8.378E+00         +1.           Clamp         3127         2/16/2012         10:03:47         00000:00:04         1.055E+02         1.042E+02         8.664E+00         8.388E+00         +1.           A ranke         20A         2/16/2012         10:03:48         00000:00:05         1.055E+02         1.042E+02         8.662E+00         8.377E+00         +1.           Details         2/16/2012         10:03:48         00000:00:06         1.054E+02         1.042E+02         8.666E+00         8.375E+00         +1.	🗌 🔳 Current	.(4) 🔳			]		83 A						_	
Item         Value         DATE         TIME         ELAPSED TIME         A1         A2           ID no.         10-102         2         10         03:44         00000:00:01         1.056E+02         1.042E+02         8.692E+00         8.401E+00         +1.           Wiring         1P3W         2         16/2012         10         03:44         00000:00:02         1.055E+02         1.042E+02         8.696E+00         8.378E+00         +1.           V range         150V         2         16/2012         10         03:45         00000:00:03         1.055E+02         1.042E+02         8.665E+00         8.378E+00         +1.           Clamp         3127         2         16/2012         10         03:47         00000:00:04         1.055E+02         1.042E+02         8.664E+00         8.388E+00         +1.           A range         20A         2         16/2012         10         03:48         00000:00:05         1.055E+02         1.042E+02         8.662E+00         8.377E+00         +1.           Petails         2         16/2012         10         03:48         00000:00:06         1.054E+02         1.042E+02         8.66E+00         8.377E+00         +1.           Petails         2 <td>116305-102</td> <td></td>	116305-102													
D no.       00-102       F       2/16/2012       10       03:44       00000:00:01       1.055E+02       1.042E+02       8.692E+00       8.401E+00       +1.         Wirins       193W       2/16/2012       10       03:45       00000:00:02       1.055E+02       1.042E+02       8.698E+00       8.378E+00       +1.         V range       150V       2/16/2012       10       03:45       00000:00:03       1.055E+02       1.042E+02       8.665E+00       8.398E+00       +1.         Clamp       3127       2/16/2012       10       03:47       00000:00:04       1.055E+02       1.042E+02       8.664E+00       8.398E+00       +1.         A ranke       20A       2/16/2012       10       03:48       00000:00:05       1.055E+02       1.042E+02       8.662E+00       8.377E+00       +1.         Petails       2/16/2012       10       03:48       00000:00:05       1.055E+02       1.042E+02       8.666E+00       8.375E+00       +1.		Value	_		DATE		TTHE				A1	42		
Wiring       193W       2/16/201       10       03:45       00000:00:02       1.055E+02       1.042E+02       8.696E+00       8.378E+00       +1.         V range       150V       10       03:46       00000:00:03       1.055E+02       1.042E+02       8.696E+00       8.378E+00       +1.         Clamp       3127       10       03:47       00000:00:04       1.055E+02       1.042E+02       8.696E+00       8.398E+00       +1.         A range       20A       20A       10       03:48       00000:00:05       1.055E+02       1.042E+02       8.696E+00       8.377E+00       +1.         Details       2/16/201       10       03:48       00000:00:06       1.055E+02       1.042E+02       8.696E+00       8.375E+00       +1.									1.055E+02	1.042E+02				
Clamp         3127         Clamp         20A         Clamp         21/6/2012         10         03:47         00000:00:04         1.055E+02         1.042E+02         8.664E+00         8.388E+00         +1.           A range         20A         2/16/2012         10         03:48         00000:00:05         1.055E+02         1.042E+02         8.662E+00         8.377E+00         +1.           Details         2/16/2012         10         03:48         00000:00:06         1.054E+02         1.042E+02         8.666E+00         8.375E+00         +1.	Wiring	1P3W			· · ·		03:45	00000:00:02	1.055E+02	1.042E+02	8.696E+00	8.378E+00	+1.	
A range         20A          2/16/2012         10         03:48         00000:00:05         1.055E+02         1.042E+02         8.662E+00         8.377E+00         +1.           Details         2/16/2012         10         03:49         00000:00:06         1.054E+02         1.042E+02         8.666E+00         8.375E+00         +1.	V range	150V		:	/16/2012	2 10:	03:46	00000:00:03	1.055E+02	1.042E+02	8.665E+00	8.398E+00	+1.	
Details 2/16/2012 10: 03:49 00000:00:06 1.054E+02 1.042E+02 8.666E+00 8.375E+00 +1.	Clamp	8127											+1.	
		20A	-											
	petails					10:	03:49	00000:00:06	1.054E+02	1.042E+02	8.666E+00	8.375E+00	-	
483ms/flame														
	483ms/flame													
			╶╴┍┸											

- 19. Scroll back half a page
- 20. Scroll back a quarter of page
- 21. Cursor button
- 22. Scroll forward a quarter of page
- 23. Scroll forward half a page
- 24. Cursor button
- 25. Display Sub graph
- 26. Edit Graph
- 27. Minimize
- 28. Maximize
- 29. Close
- 30. Check box
- 31. Light bulb mark
- 32. Scroll bar

Scroll half a page to the left.

Scroll a quarter of a page to the left.

Move the cursor (red vertical line) to the left.

- Scroll a quarter of a page to the right.
- Scroll half a page to the right.
  - Move the cursor (red vertical line) to the right.
  - Create another window and show the values
  - of each graph parameter.
  - Show the editing window for the selected graph.
- Minimize the selected graph.
  - Maximize the selected graph.
  - Close the selected graph.
    - Settings of the checked boxes will be reflected on all graphs.
    - Click to turn off the mark and hide a graph.
    - Scroll the graph display.

#### 8. Graph display change

- 8-1 Graph color change
  - 1. Click "Environmental setting" on the Data management viewer window.

KEW Windows for KEW6305 - [Data management viewer]						
File( <u>F</u> )	E) Environmental setting( <u>0</u> )					
Open the r	nenu Detect KEW6305	List of data in PC				
Setting/	Synchronous measurement	Update   Recorded d				
+Save th	ne recorded data in PC	_SD00001.KEW				
🖃 Analy	sis of measured data	52-SD999.KEW 2012_02_06 13_50_16				
🕀 By :	serial no					

- 2. Click the "Parameter" tab at Environmental setting window.
- 3. Double-click on the color you want to change.

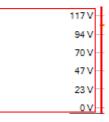
⊟-→ All ⊟-→ Instantaneous value	Â	Parameters	Title	Graph color (1)	Graph color (2)	Sun
		¥1	¥1			$\geq$
	E	¥2	¥2			$\leq$
		¥3	¥3			$\leq$
		∀1_ma×	¥1_ma×			$\leq$
		∀2_ma×	¥2_ma×			$\leq$
Neutral I(In)		∀3_ma×	V3_max			$\geq 1$
⊟→ Integration value → Act.E(+WP)		∀1_min	V1_min			53
Act.E(-WP)	÷	V2_min	V2_min			$\geq$

- 4. Select any desirable color and click OK button.
- 5. Click "OK" and close the Environmental setting window. Display a graph from Data Analysis menu and confirm the changed colors are reflected on graph display.

- 8-2 Date interval change (Zoom-in)
  - 1. Point the cursor on the date and time display on the graph.

2/16/2012 10:03:44	2/16/2012 10:04:04	2/16/2012 10:04:24	2/16/2012 10:04:44	2/16/2012 10:05:04
117 V				
94 V				

- When the cursor changes, drag the cursor from the left to the right to expand the date interval. Displayed intervals will vary depending on the selected area.
- 8-3 Date interval change (Zoom-out)
  - 1. Point the cursor on the date and time display on the graph.
  - When the cursor changes, drag the cursor from the right to the left to narrow the date interval. Displayed intervals will vary depending on the selected area.
- 8-4 Vertical ticks on graph (Zoom-in)
  - 1. Point the cursor on the vertical axis of the graph indicating measured values.



2. When the cursor changes, drag the cursor and enlarge the target section.

117 V -			
94 V -			
70 V -			
47 V -			
23 V -			
0V-			

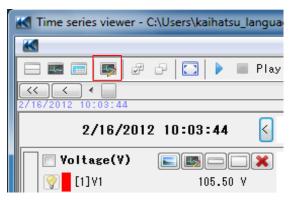
3. Dragged section is enlarged and displayed.

117 Q		
117V 🖂		
105 V -	 	 
100 V -		
94 V		
88 V V		 

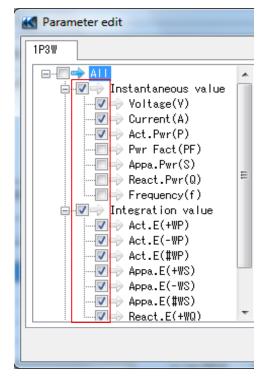
Enlarged ticks will be restore<u>d</u> when clicking on "  $\bigcirc$ " mark.

#### 8-5 Display graph

1. Click "Edit graph display" button on Time series viewer window.



2. Check the boxes to display on graph.



Click "OK" and close the Editing window. Then the selected items will be displayed on graph.

#### 8-6 Hide graph

- 1. Click "Edit graph display" button on Time series viewer window.
- Uncheck the boxes to hide graphical display. Click "OK" and close the Editing window. Then graphs of unchecked items will not be displayed.

- 8-7 Display selected parameters on graph
  - 1. Click "Edit graph display" button on Time series viewer window.
- 2. Check the boxes to display on graph.

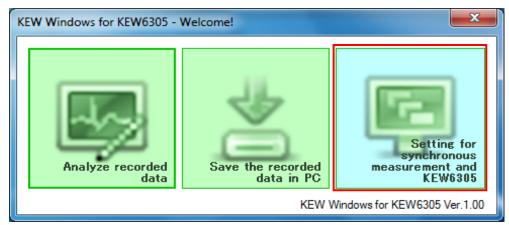
K Parameter edit					x	
3P3W						
	*		Parameter	Title		
⊡ Instantaneous value			V1	¥1	=	
V→ Voltage(V) V→ Current(A)		1	¥2	V2		
Act.Pwr(P)			V1_max	V1_max		
			V2_max	V2_ma×		
→ Appa.Pwr(S) → React.Pwr(Q)	Ξ		V1_min	V1_min		
Frequency(f)			V2_min	V2_min		
integration value			V1_avg	V1_avg		
			V2_avg	V2_avg		
Act.E(#WP)		1	A1	A1		
		1	A2	A2		
			A1_max	A1_max		
	Ŧ		A2_max	A2_ma×	Ŧ	
Initialize OK Cancel						

Click "OK" and close the Editing window. Then graph of the checked parameters will be displayed.

- 8-8 Hide selected parameters on graph
  - 1. Click "Edit display" button on Time series viewer window.
- Uncheck the boxes to hide graphical display. Click "OK" and close the Editing window. Then graphs of unchecked parameters will not be displayed.

#### 9. Instrument setting

- 9-1 Instrument setting
- 1. Select "Setting for synchronous measurement and KEW6305" on the Menu window. Menu window will appear when starting the application or click "Open menu" on Data management viewer.



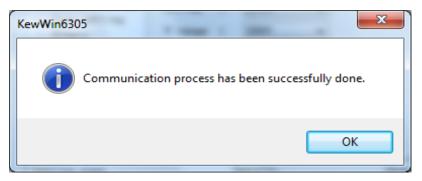
- Select setting files to be sent to KEW6305 instrument. If such a file is not available, create necessary setting files in advance. File sending procedures are described at clause 6-3.
- 3. Click "Send".

	KEW Windo	ows for KEW6305 - [Data m	gement viev	ver]				
	File( <u>F</u> ) Env	vironmental setting( <u>0</u> )						
	Open menu	Detect KEW6305	Start meas	urement Sto	p measure	ement	Start m	onitoring
	Sett ing/	Synchronous measurement Data download	List of set			Ð		000
		sis of measured data	Create new Basic s Measure	etting Bas ment seti Wi		Receive EW6305_2 3P4W		eset KEW6305 2_12_10_29] —
			⇒ Save se ⇒ Others	V	range : lamp :	600V 8125	• •	
					range : T ratio :	10A	▼	
			<ul> <li>Ⅲ</li> </ul>		T ratio :		1.00 🚖	

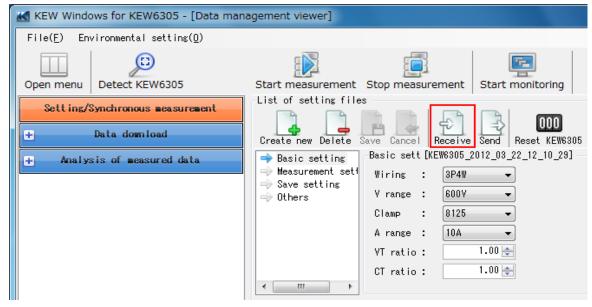
4. When Confirmation window appears, select the serial no. of KEW6305 to which you want to send the selected Setting files and click "OK".

Writing of setting file
Select the serial no of the device. 6305-008 DEM00001 DEM00002 DEM00003 DEM00004 DEM00005
OK Cancel

5. Files have been successfully sent when the following message appears. Click "OK" and close the message.



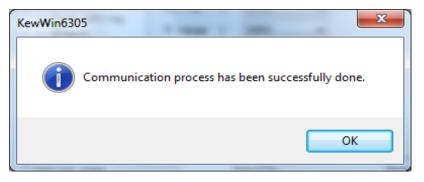
- 9-2 Save KEW6305 settings
  - 1. Select "Setting for synchronous measurement and KEW6305" on the Menu window. Menu window will appear when starting the application or click "Open menu" on Data management viewer.
- 2. Click "Receive".



3. Select the serial no. of the device to download its settings to PC.

Load setting file
Select the serial no of the device. 6305-008 DEM00001 DEM00002 DEM00003 DEM00004 DEM00005
OK Cancel

4. Files have been successfully downloaded when following message appears. Click "OK" and close the message.



5. Click "Save".

Click "Cancel" to cancel save or to redo data download.

KEW Windows for KEW6305 - [Data man	agement viewer]
File(E) Environmental setting( <u>0</u> )	
Open menu Detect KEW6305	Start measurement Stop measurement Start monitoring
Setting/Synchronous measurement	List of setting files
+ Data download	Create new Delete Save Cancel Receive Send Reset KEW6305
Analysis of measured data	<ul> <li>➡ Basic setting</li> <li>➡ Measurement seti</li> <li>➡ Save setting</li> <li>➡ Others</li> <li>➡ Others</li> <li>➡ Basic sett [KEW6305_2012_03_22_12_10_23 *]</li> <li>₩iring : 3P4₩</li> <li>♥ Vrange : 600V</li> <li>➡ Clamp : 8125</li> <li>➡ A range : 10A</li> <li>♥ VT ratio : 1.00 ➡</li> </ul>
	CT ratio : 1.00 🗢

6. Enter a name for the file and click "OK".

K Save sett	ing file as	×
File name	KEW6305_2012_03_22_15_14_56	.pre
	ОК	Cancel

The file will be saved and displayed at the bottom of the window. Details of setting contained in the file can be checked by clicking Basic setting, Measurement setting, Save setting and others displayed at the middle of the window.

KEW Windows for KEW6305 - [Data mana	gement viewer]			- • ×
File(E) Environmental setting( <u>0</u> )				
Open menu Detect KEW6305	Start measurement Stop	measurement Start mo	nitoring	
Setting/Synchronous measurement	List of setting files			
+ Data download	Create new Delete Save C		000 set KEW6305	
+ Analysis of measured data		sett [KEW6305_2012_03_22_	15_14_56]	
	⇒ Save setting	ng : 3P3W 🔻		
	I others V ra	nge : 300V -		
	Clam	ıp : 8125 ▼		
	A ra	nge : AUTO 🔻		
	VT r	atio: 1.00 🚔		
	CT r	atio: 1.00 🚖		
	<			
	Setting name	Details	Updated	~ ^
	KEW6305_2012_03_22_15_14_50	3.pre	2012/03/22 0:15:3	
	KEW6305_2012_03_22_14_12_2	j.pre	2012/03/22 0:12:4	0
	KEW6305_2012_03_22_12_10_2		2012/03/22 0:09:2	
	KEW6305 2012 03 22 0 08 29		2012/09/22 0•08•9	
Makes settings for synchronous measurement,	nonitoring and instrument us	ing Bluetooth or USB commu	INICATION.	
12ms / 4Fi	les			.::

#### 9-3 Create setting file

1. Click "Create new".

KEW Windows for KEW6305 - [	KEW Windows for KEW6305 - [Data management viewer]									
File( <u>E</u> ) Environmental setting(	1)									
Open menu Detect KEW6305		Start measurement	Stop measurement	Start monitoring						
Setting/Synchronous measure	ent	List of setting file	s R R F							
+ Data download + Analysis of measured data	a	➡ Basic setting → Measurement set!	Save Cancel   Receive Basic sett [Untitled Wiring : 3P3W							
		⇒ Save setting ⇒ Others	V range : 300V Clamp : 8125	• •						
			A range : AUTO VT ratio :	▼ 1.00 <del>↓</del>						
		4 III >	CT ratio :	1.00 🚖						

- 2. Make each setting as needed.
- 3. Click "Save" when necessary changes are done.

KEW Windows for KEW6305 - [Data man	nagement viewer]	
File( <u>E</u> ) Environmental setting( <u>O</u> )		
Open menu Detect KEW6305	Start measurement Stop measurement Star	t monitoring
Sett ing/Synchronous measurement	List of setting files	000
Analysis of measured data	Create new Delete Save Cancel Receive Send Basic setting Measurement sett Wiring : 3P3W	Reset KEW6305
	Save setting     Others     V range : 300V     Clamp : 8125	•
	A range : AUTO VT ratio : 1.00	
	CT ratio : 1.00	÷

4. Enter a name for the file and click "OK".

K Save sett	ing file as	<b></b>
File name	KEW6305_2012_03_22_15_14_56	.pre
	ОК	Cancel

The file will be saved and displayed at the bottom of the window.

KEW Windows for KEW6305 - [Data man	agement viewer]			. <b>D</b> X
File(E) Environmental setting( <u>0</u> )				
Open menu Detect KEW6305	Start measurement		nonitoring	
	List of setting file			
Setting/Synchronous measurement           The setting of the setting	Create new Delete		000 Reset KEW6305	
+ Analysis of measured data	<ul> <li>→ Basic setting</li> <li>→ Measurement setf</li> <li>→ Save setting</li> <li>→ Others</li> </ul>	Basic sett [KEW6305_2012_03_2 Wiring : 3P3W V range : 300V Clamp : 8125	2_15_14_56]	
	< Þ	A range : AUTO ▼ VT ratio : 1.00 € CT ratio : 1.00 €		
	Setting name	Details	Updated	_ ^
	KEW6305_2012_03_22_		2012/03/22 0:15:39	
	KEW6305_2012_03_22_		2012/03/22 0:12:40	-
	KEW6305_2012_03_22_		2012/03/22 0:09:21	
	KEW6305 2012 03 22	0 08 29 pre	2012/03/22 0+08+30	~
Makes settings for synchronous measurement,	monitoring and instru	ment using Bluetooth or USB com	munication.	
12ms / 4Fi	les			.::

#### 9-4 Reset KEW6305

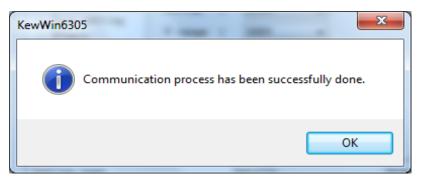
1. Click "Reset KEW6305".

ſ	KEW Windo	ows for KEW6305 - [Da	ta mana	agement viewer]		
	File( <u>F</u> ) En	vironmental setting( <u>0</u> )				
	Open menu	Detect KEW6305		Start measurement	Stop measureme	ent Start monitoring
	Sett ing/	Synchronous measureme	nt	List of setting file	» •	
	÷	Data download		Create new Delete	Save Cancel Rec	eive Send Reset KEW6305
	🛨 Analy:	sis of measured data		Basic setting     Measurement sett     Save setting     Others	Basic sett [KEW63 Wiring : 3 V range : 6 Clamp : 8	005_2012_03_22_12_10_29] P4₩ ▼ 00∀ ▼ 125 ▼ 1.00 €

2. Select the serial no. of KEW6305 to be reset.

Reset to factory setting
Select the serial no of the device. 6305-008 DEM00001 DEM00002 DEM00003 DEM00004 DEM00005
OK Cancel

3. Settings of the selected KEW6305 have been reset. Click "OK" and close the message.

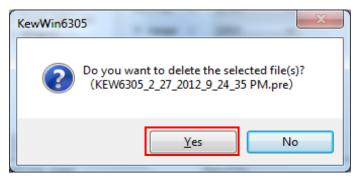


#### 9-5 Delete setting file

- 1. Select files to be deleted.
- 2. Click "Delete".

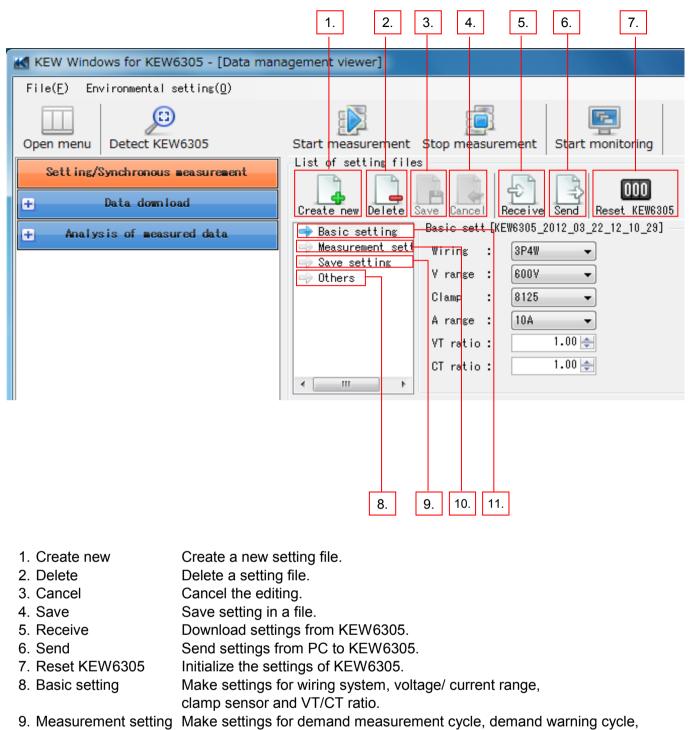
KEW Windows for KEW6305 - [Data man	agement viewer]			x
File(E) Environmental setting( <u>0</u> )				
Open menu Detect KEW6305	Start measurement	Stop measurement Start n	nonitoring	
Setting/Synchronous measurement    Data download  Analysis of measured data	List of setting file Create new Delete Basic setting Measurement sett Save setting Others	Save Cancel Receive Send		
	Setting name KEW6305_2_27_2012_9	Details 24 35 PM.pre	Updated 2012/03/22 0:09:21	Ŧ
	KEW6305_2012_03_22_0		2012/03/22 0:08:30	
Makes settings for synchronous measurement,	monitoring and instrum	ment using Bluetooth or USB co	mmunication.	
12ms / 4Fi	les			

3. Click "Yes (Y)" when a confirmation message appears.



The file will be removed from the list displayed at the bottom of the window.

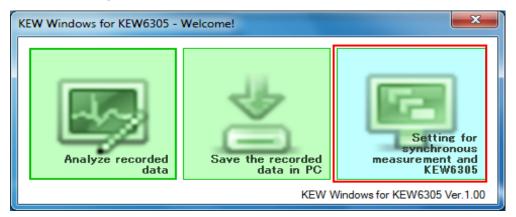
#### 10. Functions for instrument setting



- recording interval, target demand and target demand unit.
- 10. Save setting Specify method of saving and start/stop date and time.
- 11. Others Make settings for help, buzzer and ID number.

#### 11. Synchronous measurement

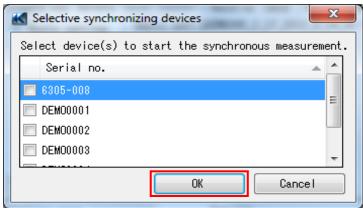
- 11-1 Start synchronous measurement
  - 1. Select "Setting for synchronous measurement and KEW6305" on the Menu window. Menu window will appear when starting the application or click "Open menu" on Data management viewer.



#### 2. Click "Start measurement".

KEW Windows for KEW6305 - [Data mar	nagement viewer]
File( <u>E</u> ) Environmental setting( <u>O</u> )	
Open menu Detect KEW6305	Start measurement Stop measurement Start monitoring
Setting/Synchronous measurement	List of setting files
+ Data download	Create new Delete Save Cancel Receive Send Reset KEW6305
+ Analysis of measured data	Basic setting     Basic sett [KEW6305_2012_03_22_12_10_29]
	I → Measurement sett Wiring : 3P4W →
	→ Others V range : 600V -
	Clamp : 8125 -
	A range : 10A 🗸
	VT ratio : 1.00 🜩
	CT ratio : 1.00 🚖

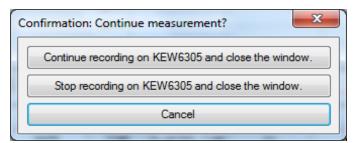
 Check the boxes and select the serial no. of devices to be synchronized. When performing a synchronous measurement with two units of KEW6305, two boxes should be checked. Then click "OK". 4. The selected devices start a synchronous measurement.



- 11-2 Stop synchronous measurement
  - 1. Click "x" mark at the right corner of the Time series viewer window.

	<b>B B</b>		Pla	xy Speed 1s	ec -	Report interv	al All	- 0 🖻 1		8 🛃	
<					1						
27/2012 21:	36116									2/27/2012 21:	:36:
2/	27/2012 21	:36:32			2/27/20 21:36:2			2/27/2012 21:36:27	2/27/2012 21:36:29	2/27/2012 21:36:31	
🔲 Volta	ge(V) 💽	<b>I</b>		]	502 V						
🛛 🛜 📕 [1] V	/1	456.4	0 V		402 V						
					301 V						
					201 V						
					100 V						
					0V-			- · · ·			_
Curre	nt(A) 国			ļ	84 A						
[1]6305-008											
[1]0000 000											_
Item	Value	*		DATE	TIME	ELAPSED TIME	¥1	A1	Р	WP_USE	
	Value 00-001		2	DATE /27/2012	TIME 21:36:27	ELAPSED TIME 00000:00:12	¥1 4.472E+02	A1 7.474E+01	P +2.652E+04	WP_USE +9.05660E+01 +	- 11
Item										-	0.
Item ID no.	00-001		2	/27/2012	21:36:27	00000:00:12	4.472E+02	7.474E+01	+2.652E+04	+9.05660E+01 +	0. 0.
Item ID no. Wiring	00-001 1P2W-1		2	/27/2012 /27/2012	21:36:27 21:36:28	00000:00:12 00000:00:13	4.472E+02 4.438E+02	7.474E+01 7.386E+01	+2.652E+04 +2.669E+04	+9.05660E+01 + +9.79812E+01 +	0. 0. 0.
Item <mark>ID no.</mark> Wiring V range	00-001 1P2W-1 600V		2 2 2	/27/2012 /27/2012 /27/2012 /27/2012	21:36:27 21:36:28 21:36:29 21:36:30 21:36:31	00000:00:12 00000:00:13 00000:00:14	4.472E+02 4.438E+02 4.518E+02	7.474E+01 7.386E+01 7.557E+01	+2.652E+04 +2.669E+04 +2.683E+04	+9.05660E+01 + +9.79812E+01 + +1.05433E+02 + +1.05433E+02 + +1.20426E+02 +	0. 0. 0. 0.
Item <mark>ID no.</mark> Wiring V range Clamp	00-001 1P2W-1 600V 8127		2 2 2 2	/27/2012 /27/2012 /27/2012 /27/2012 /27/2012	21:36:27 21:36:28 21:36:29 21:36:30	00000:00:12 00000:00:13 00000:00:14 00000:00:15 00000:00:16	4.472E+02 4.438E+02 4.518E+02 4.505E+02	7.474E+01 7.386E+01 7.557E+01 7.405E+01	+2.652E+04 +2.669E+04 +2.683E+04 +2.743E+04	+9.05660E+01 + +9.79812E+01 + +1.05433E+02 + +1.05433E+02 +	0. 0. 0. 0.

2. Select "Continue recording on KEW6305 and close the window" to quit this application while KEW6305 continues recording data, and "Stop recording on KEW6305 and close the window" to stop recording and measurement on this application and on KEW6305.



Time series window disappears automatically when a synchronous measurement via application ends.

- 11-3 Start synchronous measurement of 2 Power Meters
  - 1. Select "Setting for synchronous measurement and KEW6305" on the Menu window. Menu window will appear when starting the application or click "Open menu" on Data management viewer.



2. Click "Start measurement".

KEW Windows for KEW6305 - [データ管理	ビューア]			
ファイル(E) 環境設定( <u>0</u> )				
メニューを開く KEW6305を検出する		を停止する モニタリングを行う		
同期測定/本体設定	設定ファイル一覧(P() 新規作成する 削除す ● 基本設定 ● 測定設定 ● 保存設定 ● その他	<ul> <li>こ)</li> <li>る 保存する 取り消す 受信する :</li> <li>基本設定: [KEW6305_2012_01_13_9]</li> <li>結線 : 3P3W ・</li> <li>電圧レンジ: 300V ・</li> <li>クランブ : 8125 ・</li> <li>電流レンジ: AUTO ・</li> <li>VT比 : 1.00 会</li> <li>CT比 : 1.00 会</li> </ul>		
	設定名	言兑日月	更新日時	-
	KEW6305_2012_01_19_8	9_58_12.pre	2012/01/19 9:58:14	
	KEW6305_2012_01_18_	18_49_57.pre	2012/01/18 18:50:02	
BluetoothまたはUSB通信による同期測定、モニタ	リング、本体設定を行い	ます		
25ms / 32F	iles			.::

- 3. Check the boxes and select the serial no. of two devices to be synchronized. Then click "OK".
- 4. The selected devices start a synchronous measurement.



At the start of two synchronous measurement, summed value will be displayed in graph and list.

#### 11-4 Stop synchronous measurement of 2 Power Meters

1. Click "x" mark at the right corner of the Time series viewer window.

🔣 時系列ビューフ	ア - 同期計測ロ	中 - [時	系列ビ	ューア]							×
		3	■種	<b>注速度</b> 1秒	- L	/ボート間隔 す	べて 🚽 🖏		F 🖉 🖪 🛃		
⟨         ⟨                              >         >>         >>>>>>>>>>>>>>>>>>>>>>>>>>>>											>>>
2012/02/29         19:38:30         2012/02/29         2012/02/2										3.30.40	
□ 電圧(Y) ③ 【1] Y1 □ 電流(A)		443.6			503 V 402 V 302 V 201 V 101 V 0 V 84 A		•				
						1				1	
項目名 ID番号	項目値 00-001			DATE 2012/02/29	TIME 19:38:38	ELAPSED TIME 00000:00:11	V1 4.466E+02	A1 7.563E+01	P +2.684E+04	+WP_USE +8.24014E+01	10
結線	1P2W-1	=		2012/02/28	19:38:40			7.523E+01	+2.684E+04	+9.75767E+01	
電圧レンジ	600V			2012/02/29	19:38:42			7.499E+01	+2.711E+04	+1.12393E+02	
クランプ	8127			2012/02/29	19:38:44	00000:00:17	4.569E+02	7.380E+01	+2.666E+04	+1.27652E+02	+0.
電流レンジ	100A	-		2012/02/29	19:38:46			7.531E+01	+2.743E+04	+1.42975E+02	
項目の説明				2012/02/29	19:38:48	00000:00:21	4.436E+02	7.614E+01	+2.745E+04	+1.58165E+02	+0.
			•								
P											:

 Select "Continue recording on KEW6305 and close the window" to quit this application while KEW6305 continues recording data, and "Stop recording on KEW6305 and close the window" to stop recording and measurement on this application and on KEW6305.

測定継続確認
KEW6305の記録を続けたままでウィンドウを閉じる
KEW6305の記録を停止してウィンドウを閉じる
キャンセル

Time series window disappears automatically when a synchronous measurement via application ends.

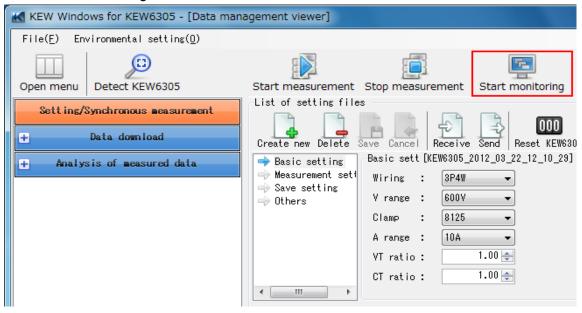
#### 12. Monitoring

Ensure that KEW6305 is ready for recording before using the Monitoring function. There are 2 methods to get KEW6305 ready for recording: 1) start synchronous measurement and then select "Continue recording on KEW6305 and close the window." on the confirmation screen, or 2) hold down START/STOP Key on KEW6305 for 1 sec or longer. For further details, please read the instruction manual for KEW6305.

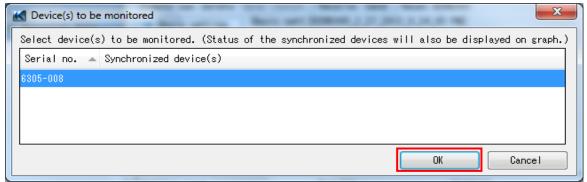
- 12-1 Start monitoring
  - 1. Select "Setting for synchronous measurement and KEW6305" on the Menu window. Menu window will appear when starting the application or click "Open menu" on Data management viewer.



2. Click "Start monitoring".



3. Click on the serial no. displayed on the Device(s) to be monitored window.



Monitoring of the selected device(s) will initiate.

#### 12-2 Stop monitoring

1. Close the Time series viewer window by clicking the "x" in the upper right corner.

_	viewer- Monitorir	ng [	Time se	ries viewer]							×
	5 d d 🖸		Pla	ay Speed 1s	ec 🔻	Report interv	al All	- Q 💼		I 🛃 🔤	
Image: Control of the second secon											
	27/2012 21:3	9:10			2/27/201 21:39:0			2/27/2012 21:39:05	2/27/2012 21:39:07	2/27/2012 21:39:09	
Voltas:		442.1	0 V		504 V 403 V 302 V 202 V 101 V 0 V 84 A						
[1]6305-008	t(A) 💽 🔳			]		•	•				<u> </u>
Item	Value	•		DATE	TIME	ELAPSED TIME	٧1	A1	Р	WP_USE	-
ID no.	00-001	Ξ	2	/27/2012	21:39:05	00000:01:12	4.520E+02	7.414E+01	+2.687E+04	+5.44154E+02	+0.
Wiring	1P2W-1		2	/27/2012	21:39:06	00000:01:13	4.493E+02	7.412E+01	+2.685E+04	+5.51612E+02	+0.
V range	600V		2	/27/2012	21:39:07	00000:01:14	4.573E+02	7.541E+01	+2.817E+04	+5.59438E+02	+0.
Clamp	8127		2	/27/2012	21:39:08	00000:01:15	4.553E+02	7.629E+01	+2.814E+04	+5.67256E+02	+0.
A range	100A	-	2	2/27/2012	21:39:09	00000:01:16	4.446E+02	7.449E+01	+2.713E+04	+5.74790E+02	+0.
Details			2	2/27/2012	21:39:10	00000:01:17	4.421E+02	7.474E+01	+2.704E+04	+5.82300E+02	+0. ▼
-											

 Select "Continue recording on KEW6305 and close the window" to stop monitoring, and "Stop recording on KEW6305 and close the window" to stop monitoring and recording on KEW6305.

Confirmation: Continue measurement?
Continue recording on KEW6305 and close the window.
Stop recording on KEW6305 and close the window.
Cancel

Time series window disappears automatically when a monitoring ends.

# 13. Environmental setting

- 13-1 Change folder for saving instrument settings
  - 1. Click "Environmental setting" on the Data management viewer.

KEW Windows for KEW6305 - [Data man	ager							
File( <u>F</u> ) Environmental setting( <u>0</u> )								
Open menu Detect KEW6305								
Setting/Synchronous measurement								
+ Data dom load								
Analysis of measured data								
🕀 By serial no								

#### 2. Click "Browse".

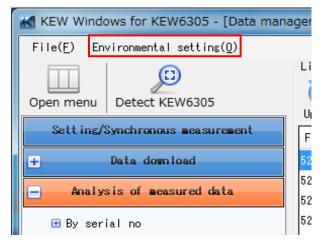
🛾 Env	iron	mental sett	ing	_	Internet and Second			×
Save	to:	Parameters	Graph	name	Auto play Real-time measurement			
Save	the	instrument	setting	to:	Dentific Ballin, John applification	1000	Browse	Open
Save	the	downloaded	data to	:	Karifahla, Manfilan	Charles Roy	Browse	Open
					•			
I	mport		Export		Initialize	OK		Cancel
								.::

3. Select a folder and click "OK".

Browse For Folder	x
Select a folder.	
A 📗 KEW	
KEW Windows	
KEW WindowsV2	
▲ LEW6305	
🍌 Conf	=
Jan Monitor	
PcData	
Dereset 🔒	
Sync	
l Monitor	
▶ DcData	
Make New Folder OK Cancel	

Click "OK" on Environmental setting window and complete the folder change.

- 13-2 Change folder for saving the downloaded data
  - 1. Click "Environmental setting" on the Data management viewer.



2. Click "Browse".

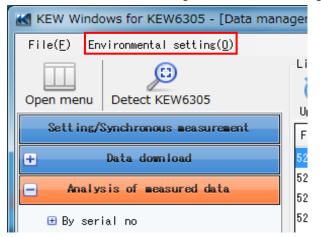
Environ	mental sett	ng	1	1	-		-			×
Save to:	Parameter	Graph	name	Auto play	Real-ti	ime measur	ement			
Save the	e instrument	setting	to:	for the	يد العلام	late and	f	1.000	Browse	) Open
Save the	e downloaded	data to	:	Car de	Part as	luis aut	Col and	ALC: NO. O	Browse	Open
Impor	t [	Export		Initialize				OK		Cancel
										.::

3. Select a folder and click "OK".

Select a folder.	
A 🚺 KEW	~
KEW Windows	
A 🃗 KEW WindowsV2	
KEW6305	
🍌 Conf	=
J Monitor	
PcData	
🐌 Preset	
J Sync	
Monitor .	
DcData	
Make New Folder OK Cancel	

Click "OK" on Environmental setting window and complete the folder change.

- 13-3 Change title of parameter to be displayed
  - 1. Click "Environmental setting" on the Data management viewer.



- 2. Click the Parameter tab.
- 3. Select and change the titles.

	Aut	o play Real-	time measurement	-		
□→ All □→ Instantaneous value		Parameter	Title	Graph color (1)	Graph color (2)	Sum 💼
···→ Voltage(V) ···→ Current(A)		¥1	V1			$\geq$
	=	V2	V2			$\leq$
		V3	V3			57
→ Appa.Pwr(S) → React.Pwr(Q)		V1_ma×	V1_max			57
		V2_max	V2_ma×			$\leq$
Neutral I(In)		V3_ma×	V3_max			57
⊡…→ Integration value → Act.E(+WP)		V1_min	V1_min			52
	÷	V2_min	V2_min			57.
Import Export Initialize OK Cancel						

Changes made during data analysis will not be immediately reflected on graph display.

To reflect the changes on graph display, close the currently opened graph once and open it again.

#### 13-4 Change graph name

1. Click "Environmental setting" on the Data management viewer.

	KEW Windows for KEW6305 - [Data man	ager			
Γ	File( <u>F</u> ) Environmental setting( <u>0</u> )				
	Open menu Detect KEW6305				
	Setting/Synchronous measurement				
	+ Data domiload	52			
	Analysis of measured data	52 52			
	🖽 By serial no 52				

- 2. Click the Graph name tab.
- 3. Select and change the graph names.

Save to:	Parameter	Graph name	Auto play	Real-time measurement		
		Graph		Graph name	*	
Voltage(\	0			Voltage(V)		
Current(#	1)			Current(A)		
Act.Pwr(P)				Act.Pwr(P)	Ξ	
Pwr Fact(PF)				Pwr Fact(PF)		
Appa.Pwr(S)				Appa.Pwr(S)		
React.Pwr(Q)				React.Pwr(Q)		
Frequency(f)				Frequency(f)		
Neutral I(In)				Neutral I(In)		
Act.E(+WF	P)			Act.E(+WP)	-	
I Import	E:	«port	Initialize		ncel	

Click "OK" and complete the change.

Changes made during data analysis will not be immediately reflected on graph display.

To reflect the changes on graph display, close the currently opened graph once and open it again.

- 13-5 Change Cursor stop position at auto-play
  - 1. Click "Environmental setting" on the Data management viewer.

	KEW Windows for KEW6305 - [Data r	manager			
Γ	File( <u>F</u> ) Environmental setting( <u>0</u> )				
	Open menu Detect KEW6305				
	Setting/Synchronous measurement				
	+ Data domiload	52			
	- Analysis of measured data	52			
	🖽 By serial no 52				

- 2. Click the Auto play tab.
- 3. Put the cursor where you want to stop the auto-play.

K Environmental setting	×						
Save to: Parameter Graph name Auto play Real-time measurement							
Specify the cursor stop point for auto play.							
	1						
Import Export Initialize OK	Cancel						
	.::						

Changes made during data analysis will not be immediately reflected on graph display.

To reflect the changes on graph display, close the currently opened graph once and open it again.

- 13-6 Change refresh rate for synchronous and monitoring measurements
  - 1. Click "Environmental setting" on the Data management viewer.

KEW Windows for KEW6305 - [Data manager				
File( <u>E</u> ) Environmental setting( <u>0</u> )				
	Li			
Open menu Detect KEW6305	(			
Setting/Synchronous measurement	F			
🛨 Data download	52			
Analysis of measured data	52 52			
🖽 By serial no	52			

- 2. Click the Real-time measurement tab.
- 3. Select a desirable Refresh rate.

Environmental setting	×						
Save to: Parameter Graph name Auto play Real-time measurement							
Setting for synchronous measurement/ monitoring							
Refresh rate 🗾 2sec 👻							
Max number of display data 🛛 🗸							
	=						
Import Export Initialize OK Cancel							
	:						
	Save to: Parameter Graph name Auto play Real-time measurement Setting for synchronous measurement/ monitoring Refresh rate	Save to: Parameter Graph name Auto play Real-time measurement Setting for synchronous measurement/ monitoring Refresh rate 2sec • Max number of display data 10data •					

- 13-7 Change number of displayed data during synchronous and monitoring measurements
  - 1. Click "Environmental setting" on the Data management viewer.

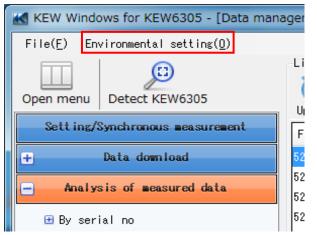
KEW Windows for KEW6305 - [Data mar	nager			
File( <u>F</u> ) Environmental setting( <u>0</u> )				
Open menu Detect KEW6305				
Setting/Synchronous measurement				
🛨 Data download	52			
Analysis of measured data	52 52			
🕀 By serial no	52			

- 2. Click the Real-time measurement tab.
- 3. Change the max number of display data.

Environmental setting	Name and Address of the Owner	×					
Save to: Parameter Graph r	ame Auto play Real-time measurement						
Setting for synchronous measurement/ monitoring							
Refresh rate	2sec 👻						
Max number of display data	10data 👻						
Import Export	Initialize	OK Cancel					

Changes made during data analysis will not be immediately reflected on graph display.

- 13-8 Save the environmental settings
  - 1. Click "Environmental setting" on the Data management viewer.



2. Click "Export".

🛃 Env	rironr	mental sett	ing	1	a has secure the lines	×
Save	to:	Parameter	Graph	name	Auto play Real-time measurement	
Save	the	instrument	setting	to:	Browse	e Open
Save	the	downloaded	data to	:	Browse	e Open
I	mport		Export		Initialize OK	Cancel
						:

3. Specify a destination to save the settings and click "Save".

Select the save file name.	and interest for the second li		x						
Correction Cibraries	Documents > • •	Search Documents	٩						
Organize 🔻 New folder		:==	• 🕡						
▲ ★ Favorites ■ Desktop	Documents library Includes: 2 locations	Arrange by: Fo	lder 🔻						
Downloads	Name	Date modified	Туре						
	🐌 Bluetooth	10/18/2011 7:14 PM	File folder						
<ul> <li>▲ Computer</li> <li>▲ Computer</li> <li>▲ Local Disk (C:)</li> </ul>	( 111		•						
File name: env_2_	27_2012_9_50_03 PM								
Save as type: ini file(*.ini)									
Alide Folders	[	Save	ancel						

The setting file has been saved.

13-9 Load the environmental settings

1. Click "Environmental setting" on the Data management viewer.

KEW Windows for KEW6305 - [Data manager									
File(E) Environmental setting( <u>0</u> )									
	Li								
Open menu Detect KEW6305									
Setting/Synchronous measurement									
🛨 Data domiload	52								
Analysis of measured data	52 52								
🕀 By serial no	52								

2. Click "Import".

1		Invi	ronr	mental s	etti	ng	-			- 2	-			x
ſ	Sa	ve	to:	Paramet	ers	Graph	name	Auto play	Real-1	time measur	ement			
	Se	ave	the	instrum	ent	setting	to:	Course of the	No.	(ang age #	in and	ACCRED TO	Browse	Open
	Se	ave	the	downloa	ded	data to	:	Farthe	Ref as	interaction of	-	ACCRED TO	Browse	Open
		Im	port		E	xport		Initialize				OK		Cancel
L														.::

3. Select the setting file to be loaded and click "Open".

Select a file (files).	and the star for the second		×	
Libraries	Documents >	Search Documents	٩	
Organize 🔻 New folder	r			
★ Favorites ■ Desktop	Documents library Includes: 2 locations	Arrange by: Fo	older 🔻	
Downloads	Name	Date modified	Туре	
🕮 Recent Places	🐌 Bluetooth	10/18/2011 7:14 PM	File folder	
🔚 Libraries	env_2_27_2012_9_50_03 PM	2/27/2012 9:51 PM	Configuratio	
Documents Documents Dictures Videos				
🖳 Computer				
🚢 Local Disk (C:)				
👝 Removable Disk (				
♀ 80_00_全社共有(	٠		۰.	
File <u>n</u> ar	me: env_2_27_2012_9_50_03 PM -	ini file(*.ini) Open 🔷	▼ Cancel	

The setting file has been loaded.

## 14. Details of environmental setting items

14-1 Save to: Tab

🛃 Env	ironr	mental sett	ing	1	The Arrists are linear	×
Save	to:	Parameters	Graph	name	Auto play Real-time measurement	
Save	the	instrument	setting	to:	Rends Isla, Ingapilingeri AUMO Ka	Browse Open
Save	the	downloaded	data to	:	Karolia Islas, Islaspillistanti (KIND) Ka	Browse Open
I	mport		Export		Initialize OK	Cancel
						.::

Save the instrument setting to: Instrument setting file is saved in this directory.

Save the downloaded data to: Downloaded file is saved in this directory.

14-2 Parameter Tab

⊡…→ All □…→ Instantaneous value ↓ ↓→ Voltage(V)	Â	Parameter	Title	Graph color (1)	Graph color Sur (2)	n	
		V1	¥1		$\geq$	<	
Act.Pwr(P) Pwr Fact(PF) Appa.Pwr(S) React.Pwr(Q)	Ξ	V2	V2			21	
			V3	V3			21
			V1_max	V1_ma×			2
				V2_ma×	V2_max		
Neutral I(In)		V3_ma×	V3_ma×			$\geq$	
⊡…→ Integration value ↓ ↓ ↓ ↓ Act.E(+WP)		V1_min	V1_min			리	
	-	V2_min	V2_min		$\sim$	3	

- Tree view

Graph names are listed in tree view and parameters to be displayed on each graph are listed in the table on the right.

- Title Titles listed in this row are displayed on graph.
- Graph color (1) Colors listed in this row are used on graph.
- Graph color (2) Colors listed in this row are used on graph. (when two units of KEW6305 are used)
- Sum Values listed in this row are displayed on graph as sums of two units of KEW6305.

#### 14-3 Graph name Tab

Graph	Graph name	*
Voltage(V)	Voltage(V)	
Current(A)	Current(A)	
Act.Pwr(P)	Act.Pwr(P)	Ξ
Pwr Fact(PF)	Pwr Fact(PF)	
Appa.Pwr(S)	Appa.Pwr(S)	
React.Pwr(Q)	React.Pwr(Q)	
Frequency(f)	Frequency(f)	
Neutral I(In)	Neutral I(In)	
Act.E(+WP)	Act.E(+WP)	_
Import Export Initialize	OK Cancel	Ŧ

- Graph name

Graph names listed in this table are used on graph.

## 14-4 Auto-play Tab

Environm	ental setting	-		-	<u>_ e</u> .			×	J
Save to:	Parameter	Graph name	Auto play	Real-time	measuremen	t			
Specify	the cursor s	top point f	or auto play						
1					1			T	
Import	E×	port	Initialize				ОК	Cancel	
								.::	

- Cursor stop point for auto play Cursor on graph stops at this specified point at auto-play.

#### 14-5 Real-time measurement Tab

1	K Environmental setting	x
ſ	Save to: Parameter Graph name Auto play Real-time measurement	
	Setting for synchronous measurement/ monitoring	
	Refresh rate 2sec 💌	
	Max number of display data 🛛 🗸 🗸	
		=
	Import Export Initialize OK Cancel	
ŀ		:
ĹĹ		

- Refresh rate Graphs at synchronous measurement/ monitoring will be refreshed at this rate.
   Max number of display data Max number of data displayed on graphs for synchronous measurement/ monitoring.
   14-6 Import/ Export/ Initialize
   Import Save the settings made at Environmental setting.
   Export Load the settings saved at Environmental setting.
- Initialize Restore all the environmental settings to the default.

Click "OK" when some of environmental settings have been changed. Otherwise, the changes will not be active.

# 15. Print

- 15-1 Print procedure [Graph]
  - 1. Click "Print Graph" on the Time series viewer.

Time series viewer -	Cilarilahatu, ang		-							- [110	ie serie	
🖂 📼 📼 🖾 🖉	🕞 🖓 💽 🕨 🖬 PI	ay Speed 1sec		Report	interv	al All		- 🚱	🖻 🗎		-	Ľ
									Print	Graph ]		
2/16/2012 10:03:44												2
2/16/201	2 10:03:44		2/16/2 10:03		2/16/20 10:04:0		2/16/2 10:04		2/16/2 10:04		2/16/ 10:0	
Voltage(V)			117 V -									
[1]V1	105.50 V		94 V									-
📰 👰 [1] V2	104.20 V		70 V									+
			47 V -									t
			23 V									$\square$
		_	0V-									-
📃 🔲 Current (A)			33 A -									

2. Check each setting displayed on Page Setup window and click "OK".

Page Setup	222			×					
		Allen The second secon							
Paper									
Size: Le	tter (8.5 x 11	")		•					
Source: A	cording to Pr	inter Se		•					
Orientation	Margins (	(inches)							
Portrait	<u>L</u> eft:	0.5	<u>R</u> ight:	0.5					
© L <u>a</u> ndscape	<u>T</u> op:	0.5	<u>B</u> ottom:	0.5					
			ок	Cancel					

3. Print preview appears.

4. Print screen appears when clicking "Print".

Print preview		
		<u>P</u> age 1
		A
2/16/2012 10:03:44	2/16 10:0	62012 2/16/2012 2/16/2012 2/16/2012 2/16/2012 03:44 10:04:04 10:04:24 10:04:44 10:05:04
Voltage(Y)	117 V	
[1]V1 105.50 V	94 V -	
	70 V -	
	47 V -	
	23 V	
	0.	
Current (A)	33 A - 26 A -	
[1]A1 8.692 A	20 A -	./~
⊞ 🥎 [1]A2 8.401 A	13.4	
	74	
	0A-	
Act.Pwr(P)	4.3k W	
[] [1]P 1.73k W	3.4k W -	
	2.6k W -	r r r
	1.7k W -	
	860.6 W	
	0.0 W -	
Act.E(+WP)	58 Wh -	
[] [1] WP_USE 0.4806 Wh	46 Wh - 35 Wh -	
12	23 Wh -	
	12 Wh	
	0 Wh	
Act.E(-WP)	2.0 Wh	
[1]WP_REG 0.00 Wh	1.2 Wh	
	0.4 Wh -	
	-0.4 Wh -	
	-1.2 Wh	
	-2.0 Wh -	
Act.E(1WP)	58 Wh -	
(1)WP_SYN 0.4806 Wh	46 Wh -	
12	23 Wh -	
	12 Wh	
	0 Wh	
Appa.E(+#S)	59 Wh	
[] [] WS_USE 0.4977 ₩h	47 Wh	▼
•		

5. Click "Print" to print the graph.

Print Print	×
General	
Select Printer	
Hand Add Printer	i Microsoft XPS Documen
Fax	
Status: Ready	Print to file Preferences
Location:	
Comment:	Fin <u>d</u> Printer
Page Range	
Ali	Number of <u>c</u> opies: 1
Selection Current Page	
Pages:	Collate
	Print Cancel Apply

## 15-2 Print procedure [List]

1. Click "Output Report/ list" on the Time series viewer.

K	Time series viewer -	Namilalata, any	applane (189	-partie	101419-0	au 1005 1425	i normani - (Ti	me series
E	- 💷 📖 📑	- 🗗 🔂 🕨 🔳 PI	ay Speed 1sec	✓ Report	interval Al	- 🚱		🗐 🖪 🛃
C	<< < < < < / >						Output R	Report/list
		2 10:03:44		2012 3:44	2/16/2012 10:04:04	2/16/2012 10:04:24	2/16/2012 10:04:44	2/16/2012 10:05:04
	Voltage(V)		117 V-					
	[] [1] V1	105.50 V	94 V -					
	🖩 👰 [1] V2	104.20 V	70 V -					
			47 V -					
			23 V -					
			0 V -					
	Current (A)		33 A -				N.	
	[1]6305-102							
	T1 U.I				TTUE		10 A	

2. Click "Print list file" at the bottom of the Report/ list output window.

Report/ list outp	out -	ani kahato,	in the second	Contract	Manglet M	and defined and the second	1005-162	×
6 6 6								
Data save period Print target		2012 9:15:08 AM		3/19/2012 3/19/2012	2 9:19:49 AM	Oday(s)OTime4Min.41 Oday(s)OTime4Min.41		
WeekEnd setting	Sat	▼ to Sun		ectric power		0003/07/11/04/11/11.41		
Nighttime settin	Currency		Unit	t price setti		WeekEnd		
	JPY(Japan	ese yen)	▼ Dayt Nigh	time JPY nttime JPY	0.0000 🔶 /\ 0.0000 🔶 /\			
Header				Tes	st Report	3,	/22/2012	
Footer			Î				1/1	
Display item	Electric e	energy 🔽 🛛	otal perio	d 👿 WeekDay	Avg 📝 WeekEnd	Avg 📝 Nighttime%	Month Av	g 📄 Day & Night Avg
	🔽 Crude o	oil equivalent						
	🔽 CO2 equ 📝 Cost	jivalent	Emission ra	ate for unit	0.000561 🚔 tCC	l2∕k₩h		
	📝 Electri							
	Channel pa	arameter 🛛 🔽 🗸	/oltage 🔽	Current 📝	Active power 📝	Apparent power 📝 Re	eactive power	r 📝 Power factor
					Print	report file Print	: list file	CSV output

3. Print preview appears.

4. Print screen appears when clicking "Print".

🖳 Print preview								×	J
🚑 🔎 🚽 💷 🚥		<u>C</u> lose				<u>P</u> a	age	1 🌲	
						1			
									all
	List print 2/16/2012 10:08:44 -	2/16/2012 13:03:4	a		2/27/2012 10:10:08 FM Page: 1/720				
	Aleraçe value	1.948-92	1.92%	LOES	1.66-0	·			
	Nac. values	1.042-02 2/6/202 0:024 AL	1.04E-12 2/6/212 0:9:44 A	2.47至-13 2/16/2012 (0=19=4 A)	8.22至-00 21時/25日2 前:第:44 月間				
	Ne vales recorded time Nie vales	1.04€42	1.98542	8.8(差+0)	8,64年40				
	No voice recorded time No Datellas	2/16/2012 10:09:44 AN	2/16/2012 (0:99:44 AM 12	2/16/2012 (0=00=44 AN AI	2/16/2012 10:09:44 AN A2				
	1 216201210:08:44 2 216201210:08:45	1. 時間一位 1. 時間一位	1.042-02 1.042-02	8,69,22,400 8,69,62,400	8.40億-00 8.27億-00				
	3 24 6/2012 ( 0: 08: 46 4 24 6/2012 ( 0: 08: 47	1.512-12	1.042-02	8, 695E -00 8, 694E -00	8,38 E -00 8,38 E -00				
	5 24620210:0:4	1.98.92	1.93.92	8.份至-00	8,8132-00				10
	6 2016/2012 10:00:49 7 2016/2012 10:00:50	1. (\$46.42) 1. (\$76.42)	1.94至42 1.94至42	8. 供雇+00 8. 供雇+00	8.27E-00 8.47E-00				
	8 24 62 0 2 1 0: 0: 10 9 24 62 0 2 1 0: 0: 12	1.542-12	1.048-02	1, 供雇+00 1, 供雇+00	8.8E-0 8.8E-0				
	10 24 620 2 10:08:59 11 24 620 2 10:08:54	1.54.42	1.946-92	8, 69 4 - 40 8, 69 4 - 40	8,37 <b>E-</b> 00 8,47 <b>E-</b> 00				
	12 2116201210=08:55	1.972-92	1.046-02	8.67E+00	8,39,62-00				
	17 21 6 20 2 1 0:08:59 14 21 6 20 2 1 0:08:57 15 21 6 20 2 1 0:08:57	1. 陈莲-12 1. 陈莲-12 1. 陈莲-12	1.048-12 1.048-12	8,67至400 8,69至400	8.51 E-00 8.47 E-00				
	15 24 62 9 2 1 0:00:58 16 24 62 9 2 1 0:00:59	1. 原理-12 1. 原理-12	1.048-02	7.94毫~00 7.94毫~00	8.59 年40 8.47 王40				
	17 24 62012 10:0±00 18 24 62012 10:0±01	1.542-12	1.948-92	7, 984E-400 7, 984E-400	8.52E-00 8.45E-00			E	1
	IP 24620210-0402	1.96.92	1.946-92	1.96.0	8.422-00			-	
	20 2416/2012 110:04:09 21 2416/2012 110:04:04	1.542-12	1.94至42 1.94至42	7.除差40 7.常產40	8.4/E-00 8.4/E-00				
	22 24 6 20 2 1 0: 0 = 0 = 0 = 29 24 6 20 2 1 0: 0 = 0 = 0 =	1. 陈槿-12 1. 陈槿-12	1.04/E-12 1.04/E-12	7. 新年400 7. 昭王400	8. 新莲+00 8. 羽莲+00				1
	24 24 620 2 10:04:07 25 24 620 2 10:04:08	1. 陈任-12 1. 陈任-12	1.042-02 1.042-02	7, 89 TE 400 7, 89 0E 400	8. 斜连+00 8. 斜连+00				
	26 2/16/20/210:0#09 27 2/16/20/210:0#10	1.542-12	1.042-02	7.8912-00	8.42 E-00 8.38 E-00				1
	28 2/16/2012 10:04:01	1.98.92	1.95.92	1.84.0	8,4102-00				
	29 2016/2012 10:04:12 30 2016/2012 10:04:13	1.078-12	1.042-12	7. 段差-00 8. 安差-00	8.22E-00 8.44E-00				
	3 21620210:0#14 32 21620210:0#15	1.52.0	1.048-02	8,57 E-00 8,61 E-00	1.47E-00 1.42E-00				
	39 2016/2012 10≈0≢16 34 2016/2012 10≈0≠17	1.04840	1.04E-02 1.04E-02	1.47E-9 1.44E-9	8.41E-00 8.40E-00				
	8 24620210:0448	1.04E-12	1.04E-12	1. 新羅-91	8, 3(0E+0)				
	36 24 6/2012 (10:04:07 37 24 6/2012 (10:04:20 38 24 6/2012 (10:04:20 39 24 6/2012 (10:04:20	1. 陈莲+位 1. 陈莲+位 1. 陈莲+位	1.041E-12 1.071E-12 1.041E-12	1. (5 年-0) 7. (5 年-0) 7. (7 年-0)	8.3910 8.4110 8.7110 9.7110				1
	39 24 6 2 9 2 1 0 0 4 22	1.682-02	1.0432-12	7.96 至-60	8, 27,82,400				
	40 2116201210=0#28 41 2116201210=0#24	1.572-12	1.9242	7,890E400 7,940E400	8,37 <b>8-</b> 00 8,37 <b>8-</b> 00				
	42 2116/2012 10:04:25	1.988-92	1.942-92	1.87E-00 1.87E-00	8.31E-00 8.77E-00				
	44 2/16/2012 10:04:21	1.012-12	1.9242	1.88.40	8,8742-00				
	45 2116201210=0#28 46 2116201210=0#28	1. 時間 42 1. 時間 42	1.04E-02 1.04E-02	7.99連400 7.病連400	8.27毫~00 8.38毫~00				11
	47 24/620/210:04:30 48 24/620/210:04:31	1. 時間-12 1. 時間-12	1.04E402 1.04E402	7.99/8E+00 7.94/8E+00	8, 27 (E+0) 8, 34 (E+0)				1
	49 24 620 2 10:04 32 50 24 620 2 10:04 32	1.54.12	1.42-12	1.87E-00 1.84E-00	8.34E-00 8.34E-00				1
	SI 24620210:0#34	1.944-92	1.0432-12	7,8826-00	8. 27年40				1
	型 2/16201211年0年第 第 2/16201211年0年第		1.042-12 1.042-12	7. 常モ-00 8. 祭王-00	8.29毫+00 8.39毫+00				
	54 2016/2012 10:04:37 56 2016/2012 10:04:38	1.942-92	1.52-0	2.248-0	8.40E-00 8.34E-00				1
	59 211 62012 1 0: 0# 39 57 211 62012 1 0: 0# 40	1.948-12	1.012-12	1.716-0	8, 37 (E=0) 8, 27 (E=0)				
	58 21 620 210:044	1.912-12	1.66.42	2.576-0	8,396-00				

5. Click "Print" to print the list.

Print	×
General	
Select Printer	
Add Printer	Hicrosoft XPS Documen
Fax	
< III	•
Status: Ready	Print to file Preferences
Location: Comment:	Fin <u>d</u> Printer
Page Range	Number of copies: 1
Selection Current Page	
○ Pages: 1-44	Collate
Enter either a single page number or a single page range. For example, 5-12	
Pr	int Cancel Apply

- 15-3 CSV output procedure
  - 1. Click "Report/ list output" on the Time series viewer.

-	And and the Party of the Party				where the part of	The second second second	
Time series viewer -	Concernant with	the low service of the			10.00	- [1107	ne series
	🗗 🔛 🕨 🔳 Play	Speed 1sec	✓ Report int	erval All	- 🚱 🗄	d 🗈 🖉 🖉	2 🖬 🛋
<< < < 2/16/2012 10:03:44						Output Re	port/list
	2 10:03:44				/16/2012 10:04:24	2/16/2012 10:04:44	2/16/2012 10:05:04
Voltage(V)		117 V -					
📄 🛜 🚺 [1] V1	105.50 V	94 V -					
📰 👰 [1] V2	104.20 V	70 V -					
		47 V -					
		23 V -					
		0 V -					
Current (A)		33 A -				X.	

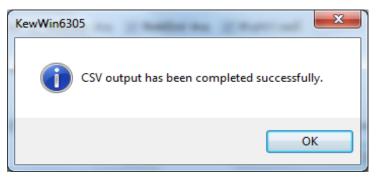
2. Click "CSV output" at the bottom of the Report/ list output window.

Report/ list outp	out - Charles Balkans	🚬 her gunget (hutting) (). All anglust all All All Anna All Anna 1993 (1997) (1998) 📃 🔜
<b>F</b> - <b>F</b>		
Data save period Print target	3/19/2012 9:15:0 3/19/2012 → 09:11	
WeekEnd setting Nighttime settin	Sat 🔹 to Sur	n 🔹 Electric power unit k 💌
	Currency	Unit price setting WeekDay WeekEnd
	JPY(Japanese yen)	▼ Daytime JPY 0.0000 (/k₩h 0.0000 /k₩h
		Nighttime JPY 0.0000 🚖 /kWh
Header		Test Report 3/22/2012
Footer		1/1
Display item	Electric energy	📝 Total period 📝 WeekDay Avg 📝 WeekEnd Avg 📝 Nighttime% 🗌 Month Avg 🥅 Day & Night Avg
	🔽 Crude oil equivale	ent
	📝 CO2 equivalent 📝 Cost	Emission rate for unit 0.000561 🔿 tCO2/kWh
	🔽 Electric power	
	Channel parameter	Voltage Voltage Active power Apparent power V Reactive power V Power factor
		Print report file Print list file CSY output

3. Specify the destination to save the data and enter a desirable file name, and then click "Save".

The Colored Alexandre Elexandre		×			
Select the save file name.					
↓ Libraries	► Documents ►	Search Documents			
Organize 🔻 New folde	2r	:== 🔻 🔞			
★ Favorites ■ Desktop	Documents library Includes: 2 locations	Arrange by: Folder 🔻			
Downloads	Name	Date modified Type			
Recent Places	퉬 Bluetooth	10/18/2011 7:14 PM File folder			
Libraries Documents Music Fictures Videos					
🖳 Computer					
Local Disk (C:)	•				
File <u>n</u> ame: 2012_02_0613_50_16_000001					
Save as type: csv file (comma separated)(*.csv)					
) Hide Folders		Save Cancel			

CSV output completes when the following message appears. Click "OK" and close the message.



#### 15-4 Print procedure [Report]

1. Click "Output Report/ list" on the Time series viewer.

M Time series viewer -	Gardahata, Jerga	مور (موجود الم	ergine all and	larih (savi	ors 362-52-5	- Time series
	🖓 🛄 🕨 🔳 Play	Speed 1sec	▪ Report inter	val All	- 🚱 🖻	ē   # 📳 🗉 🗳
2/16/2012 10:03:44						Output Report/list
	2 10:03:44 <		2012 2/16/2 3:44 10:04			16/2012 2/16/2012 0:04:44 10:05:04
Voltage(V)		117 V -				
[1] V1	105.50 V	94 V -				
📰 🧑 [1] V2	104.20 V	70 V -				
		47 V -				
		23 V -				
		0V-				
Current (A)		33 A -				
			•		· · · ·	- I

2. Click "Print report file" at the bottom of the Report/ list output window.

Report/ list outp	put -
8 D D	
Data save period	3/19/2012 9:15:08 AM to 3/19/2012 9:19:49 AM Oday(s)0Time4Min.41Sec.
Print target	3/19/2012 → 09:15:08 🚔 to 3/19/2012 → 09:19:49 🚔 Oday(s)0Time4Min.41Sec.
WeekEnd setting	Sat 🔹 to Sun 👻 Electric power unit k 💌
Nighttime settin	g18:00 📩 to 08:00 🛋
	Currency Unit price setting WeekDay WeekEnd
	JPY(Japanese yen)    Daytime JPY 0.0000 ↔ /k₩h 0.0000 ↔ /k₩h
	Nighttime JPY 0.0000 [./k₩h 0.0000 [./k₩h
Header	Test Report 3/22/2012
Footer	1/1
Display item	Electric energy 🛛 Total period 🖉 WeekDay Avg 🖉 WeekEnd Avg 🖉 Nighttime% 🗌 Month Avg 🕅 Day & Night Avg
	🕼 Crude oil equivalent
	CO2 equivalent     Emission rate for unit     0.000561      tCO2/k₩h
	Cost
	V Electric power
	Channel parameter 👿 Voltage 👽 Current 👽 Active power 👽 Apparent power 🐼 Reactive power 👽 Power factor
	Print report file Print list file CSY output

- 3. Print preview appears.
- 4. Print screen appears when clicking "Print".

Print preview	
	<u>P</u> age 1 <del>[ ]</del>

5. Click "Print" to print the report.

🖶 Print	×
General	
Select Printer	
Hax Add Printer	i Microsoft XPS Documen
FX ApeosPort-III C3300	
<	P.
Status: Ready Location:	Print to file Preferences
Comment:	Fin <u>d</u> Printer
Page Range	
Ali	Number of copies: 1
Selection Current Page	
Pages:	Collate 123 123
	Print Cancel Apply

## 16. Functions available at report/ list output

2. Clear All

3. Default

1. 2.	3. 4. 5. 6. 7.	]	8.	
Data save peri Print target WeekEnd settin	3/19/2012 - 09:15:08			ay(s)OTime4Min.41Sec. ay(s)OTime4Min.41Sec.
Header -	Currency JPY(Japanese yen)	Day	t price setting WeekDay time JPY 0.0000 (+)/kWh httime JPY 0.0000 (+)/kWh Test Report	WeekEnd 0.0000 ♀ /kWh 0.0000 ♀ /kWh 8/22/2012
Footer Display item	☑ Crude oil equivalent		od 📝 WeekDay Avg 📝 WeekEnd Avg	
	⊄ Cost   ▼ Electric power		rate for unit 0.000561 🔿 tCO2/4	
			Print rep	ort file Print list fil
9. 1	0. 11. 12. 13.	Ŀ	14.	

Following functions are available at report/ list output.

- 1. Check All All of the Display item check boxes will be checked.
  - All of the Display item check boxes will be cleared.
  - All of the Display item check boxes, except for Month Avg and WeekDay Avg, will be cleared.
- 4. Data save period Total time periods from the start to the end of measurement of the loaded data.
- 5. Print target Report is created based on this period.
- 6. WeekEnd setting Select weekend days.
- 7. Nighttime setting Specify the night time period.
- 8. Electric power Select unit for electric power.

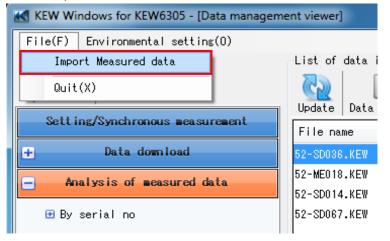
9. Display item	Checked items will be printed.
10. Footer	To be printed at the bottom of the page. "Page number / Total pages" is shown when you input "1/1".
11. Header	To be printed at the top of the page. "Page number / Total pages" is shown when you input "1/1".
12. Currency	Select currency.
13. Unit price setting Daytime/WEEKDAY	Enter the unit price for daytime of weekdays.
Nighttime/WEEKDAY	Enter the unit price for nighttime of weekdays.
Daytime/WEEKEND	Enter the unit price for daytime of weekends.
Nighttime/WEEKEND	Enter the unit price for nighttime of weekends.
14. Emission rate for unit	Enter the emission rate for unit.

## 17. Measured data import

- 17-1 Procedure 1
  - Select "Analyze recorded data" on the Menu window. Menu window will appear when starting the application or click "Open menu" on Data management viewer.



2. Click "Import Measured data" from List of data in PC.



## 3. Select file(s) to open.

#### e.g. MyComputer -> KEW6305\_SD(I:)→52-SD005.KEW

Names of drive and file will be different depending on your PC environment.

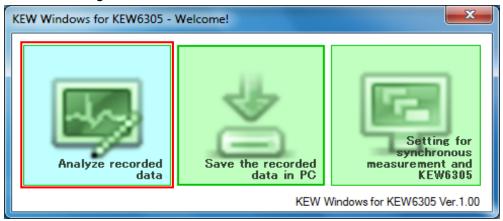
Select a file (files).	Coald Lot of Lot of				×
Computer	r • KEW6305_SD (E:)	-	Search KEW6	305_SD (E:)	٩
Organize 🔻 New folde	r			≡ - 1	?
🔶 Favorites	Name	Date modified	Туре	Size	-
🧮 Desktop	51-SD051	2/3/2012 11:57 AM	KEW File	3 KB	
\rm Downloads	52-SD001	1/19/2012 12:28 PM	KEW File	2 KB	E
🕮 Recent Places	52-SD002	1/19/2012 12:35 PM	KEW File	2 KB	
	52-SD003	1/19/2012 12:35 PM	KEW File	2 KB	
🥽 Libraries	52-SD004	1/19/2012 12:36 PM	KEW File	7 KB	
Documents	52-SD005	1/19/2012 2:49 PM	KEW File	13 KB	
👌 Music 🛛 🗉	32-SD006	1/19/2012 2:53 PM	KEW File	8 KB	
Pictures	52-SD007	1/19/2012 2:57 PM	KEW File	14 KB	
😸 Videos	52-SD008	1/19/2012 2:58 PM	KEW File	10 KB	
	52-SD010	11/25/2011 4:22 PM	KEW File	2 KB	
👰 Computer	52-SD013	11/29/2011 1:16 PM	KEW File	2 KB	
🚢 Local Disk (C:)	52-SD014	11/29/2011 1:38 PM	KEW File	63 KB	
EW6305_SD (E:)	52-SD015	12/16/2011 11:26	KEW File	1,025 KB	
🚽 80_00_全社共有 (	52-SD017	1/20/2012 8:54 AM	KEW File	7 KB	
坖 04_00_計測器事業	52-SD019	1/23/2012 1:57 PM	KEW File	3,072 KB	
-	52-SD023	12/22/2011 8:02 AM	KEW File	27 KB	-
File na	ame: 52-SD005		<ul> <li>kewfile(*.kew)</li> </ul>		•
			<u>O</u> pen	Cancel	

# Click "Open" to add the selected file(s) on the list of data in PC.

KEW Windows for KEW6305 - [Data managen File( <u>F</u> ) Environmental setting( <u>0</u> )	nent viewer]					
Open menu Detect KEW6305	List of data	in PC I Analysis Dat	a Download			
Setting/Synchronous measurement	File name	Serial no.	ID no.	Wiring system	Size Update	ed 🔻
🛨 Data download	52-SD036.KEW	08122580	77-777	3P4W	373 KB 3/19/2	012 9:19:34 AM
Analysis of measured data	52-ME018.KEW	08122580	00-001	1P3W	36 KB 3/8/20	12 9:21:02 AM
	52-SD014.KEW	08122580	00-001	3P4₩	144 KB 3/6/20	12 6:25:44 PM
🖽 By serial no	52-SD067.KEW	6305-008	00-001	3P3₩	387 KB 2/9/20	12 8:27:48 AM
😬 By ID number	52-SD005.KEW	6305-008	00-001	3P3W	12 KB 1/19/2	012 1:49:32 PM
🗄 By wiring system	ID no. :	00-001	Domon	d measurement cycl	o • 20M	
	Wiring :	3P3W		ding interval	:28	
	V range :	300V		rement started	: 1/19/2012 14:4	9:13
	Clamp :	8126	Versi	on	:1_00,'00	
	A range :	100A	Seria	l no.	:6305-008	
	VT ratio :	1.00	MAC a	ddress	:00_26_E8_C9_4A	_0C
	CT ratio :	1.00	Statu:	5	:SELF,'	
Analyze the data downloaded into PC.						
9ms / 5Fil	es					

#### 17-2 Procedure 2

 Select "Analyze recorded data" on the Menu window. Menu window will appear when starting the application or click "Open menu" on Data management viewer.



2. Open the folder containing KEW6305 measured data. e.g. MyComputer -> KEW6305 SD(F:) -> 52-SD023.KEW

#### Names of drive and file will be different depending on your PC environment.

Computer	KEW6305_SD (E:)	▼ <sup>4</sup> <sub>2</sub>	Search KEW6305_SD	(E;)	P
Organize 🔻 🦳 Open				· ·	?
☆ Favorites	Name	Date modified	Туре	Size	-
Mesktop	52-SD086	2/27/2012 9:39 PM	KEW File	99 KB	
🐌 Downloads	52-SD085	2/27/2012 9:37 PM	KEW File	55 KB	-
📃 Recent Places	52-SD084	2/27/2012 9:35 PM	KEW File	12 KB	
	52-SD083	2/27/2012 9:34 PM	KEW File	32 KB	
🥽 Libraries	52-SD082	2/27/2012 5:05 PM	KEW File	29 KB	
Documents	52-SD081	2/27/2012 4:51 PM	KEW File	56 KB	
🌙 Music	52-SD080	2/27/2012 4:50 PM	KEW File	92 KB	
📔 Pictures 🗮	52-SD079	2/27/2012 3:48 PM	KEW File	44 KB	
🛃 Videos	52-SD078	2/27/2012 1:35 PM	KEW File	11 KB	
	🧾 52-SD077	2/20/2012 10:35 AM	KEW File	149 KB	
🖳 Computer	52-SD076	2/20/2012 10:16 AM	KEW File	23 KB	
🚢 Local Disk (C:)	52-SD075	2/16/2012 5:18 PM	KEW File	2 KB	
KEW6305_SD (E:)	52-SD074	2/15/2012 4:27 PM	KEW File	8 KB	
⋥ 80_00_全社共有 (	52-SD073	2/15/2012 4:24 PM	KEW File	8 KB	
坖 04_00_計測器事業	52-SD072	2/15/2012 4:03 PM	KEW File	57 KB	
	52-SD071	2/15/2012 4:00 PM	KEW File	13 KB	
📬 Network 🔹	52-SD070	2/10/2012 4:27 PM	KEW File	67 KB	
52-SD077 Date KEW File	modified: 2/20/2012 10:35 AM Size: 148 KB	Date created: 2/20/2012 10:30 AM			

#### 3. Select a file and drag it to the Data management viewer window.

KEW Windows for KEW6305 - [Data manageme	ent viewer]				
File(F) Environmental setting(O)					
Open menu Detect KEW6305	List of data	in PC Analysis Data	, Download		≽ <sub>±</sub>
Setting/Synchronous measurement	File name	Serial no.	ID no.	Wiring system	Size
🛨 🛛 Data download	52-SD036.KEW	08122580	77-777	3P4W	373 KB
Analysis of measured data	52-ME018.KEW 52-SD014.KEW		00-001 00-001	1P3₩ 3P4₩	36 KB 144 KB
🗄 By serial no	52-SD067.KEW	6305-008	00-001	3P3W	387 KB
🔁 By ID number					
🕀 By wiring system	ID no. :	77-777	Deman	d measurement cycl	e:30M
	Wiring :	3P4W	Record	ding interval	:18
	V range :	600V	Measu	rement started	:3/19/20
	Clamp :	8125	Versi	on	:Ь_01,'0
	A range :	10A	Seria	l no.	:0812258
	VT ratio :	9999.99	MAC at	ddress	:00_06_F

4. Drop the file on the Data management viewer window.

The file will be added to the list of data in PC.

KEW Windows for KEW6305 - [Data managem	ent viewer]					
File( <u>F</u> ) Environmental setting( <u>0</u> )						
Open menu Detect KEW6305	List of data	in PC Analysis Dat	a Download			
Setting/Synchronous measurement	File name	Serial no.	ID no.	Wiring system	Size Updat	ed 👻
🛨 🛛 Data download	52-SD036.KEW	08122580	77-777	3P4W	373 KB 3/19/2	2012 9:19:34 AM
Analysis of measured data	52-ME018.KEW	08122580	00-001	1P3W	36 KB 3/8/20	012 9:21:02 AM
Hiarysis of measured data	52-SD014.KEW	08122580	00-001	3P4W	144 KB 3/6/20	)12 6:25:44 PM
🗄 By serial no	52-SD077.KEW	6305-008	00-001	3P3W	148 KB 2/20/3	2012 9:35:08 AM
🕀 By ID number	52-SD067.KEW 52-SD005.KEW	6305-008	00-001 00-001	3P3W 3P3W		012 8:27:48 AM 2012 1:49:32 PM
🛨 By wiring system	ID no. :	00-001		d measurement cycl		1.43.52 FM
	Wiring :	3P3W		ding interval	:28	
	Y range :	300V		rement started	: 2/20/2012 10:	30:50
	Clamp :	8127	Versi	on	:1_00,'00	
	A range :	100A	Seria	l no.	:6305-008	
	VT ratio :	1.00	MAC a	ddress	:00_26_E8_C9_4	4_0C
	CT ratio :	1.00	Statu	s	:REMOTE,'	
Analyze the data downloaded into PC.						
Hiaryze the data domituaded into FC.						
10ms / 6Fi	les					.::

#### 18. Data Sum

- 18-1 Sum individual measurement data.
- Select "Analyze recorded data" on the Menu window. Menu window will appear when starting the application or click "Open menu" on Data management viewer.



2. Click "Select Summed File" from List of data in PC.

Open menu Detect KEW6305	List of data	in PC	Select summed	lfile Import N		a Data Download	
Setting/Synchronous measurement	File name	Serial no.		Wiring system		Updated	
Save the recorded data in PC	52-SD036.KEW	08122580	77-777	3P4W	373 KI	B 3/19/2012 9:19:34 AM	
Analysis of measured data	52-ME018.KEW		00-001	1P3₩ 2D4₩		B 3/8/2012 9:21:02 AM	
🗄 By serial no	52-SD014.KEW 52-SD077.KEW		00-001 00-001	3P4W 3P3W		B 3/6/2012 6:25:44 PM B 2/20/2012 9:35:08 AM	1
🔁 By ID number	52-SD067.KEW 52-SD005.KEW		00-001 00-001	3P3W 3P3W		B 2/9/2012 8:27:48 AM B 1/19/2012 1:49:32 PM	
🗄 By wiring system						D 1/13/2012 1:43.82 P	-
	ID no. :	77-777		d measurement cy			
	Wiring :	3P4W		ding interval	:18		
	V range :	600V		irement started		012 09:15:08	
	Clamp :	8125	Versi		:Б_01,'		
	A range :	10A		l no.	:081225		
	VT ratio :	9999.99		ddress.		F7_AF_E2_09	
	CT ratio :	9999.99	Statu	IS	: REMOTE	,	
alyze the data downloaded into PC.							

3. Check box appears in the File View when "Select Summed File" is clicked.

KEW Windows for KEW6305 - [Data managemen	nt viewer]		
File( <u>E</u> ) Environmental setting( <u>0</u> )			
Open menu Detect KEW6305	List of data in PC Update Data Analysis Select	summed file Import Measured	d data Data Download
Setting/Synchronous measurement	File name Serial no.	ID no. Wiring system	Size Updated 🔶
Save the recorded data in PC	52-ME259.KEW 08122575	00-001 3P4W	174 KB 5/28/2012 8:58:58
- Analysis of measured data	52-SD700.KEW 6305-104	00-104 3P3W 00-103 1P3W	22,816 KB 3/29/2012 2:31:26 22,816 KB 3/29/2012 2:31:26
🕀 By serial no	🔲 52-SD036.KEW 08122580	77-777 3P4W	373 KB 3/19/2012 9:19:34
😬 By ID number	52-SD033.KEW 70508791	00-001 3P4W	223 KB 3/14/2012 4:33:30
🕀 By wiring system			
	ID no. : 00-001 Wiring : 3P4W V range : 300V Clamp : 8125		

4. Choose two files for Sum Display.

Click "Data Analysis" after you have chosen two files. Please refer to "18-5 Caution on the sum of individual measurement data for 1" and "2" on the left of Check Box'.

KEW Windows for KEW6305 - [Data management	nt viewer]	
File(E) Environmental setting( <u>0</u> )		
Open menu Detect KEW6305	List of data in PC	Import Measured data Data Download
Setting/Synchronous measurement	File name Serial no. ID no.	Wiring system Size Updated
	□ 52-ME259.KEW 08122575 00-001 1 ▼ 52-SD700.KEW 6305-104 00-104	3P4W 174 KB 5/28/2012 8:58:58 = 3P3W 22.816 KB 3/29/2012 2:31:26
Analysis of measured data	2 🔽 52-SD200.KEW 6305-103 00-103	1P3W 22,816 KB 3/29/2012 2:31:26
⊞ By serial no	52-SD036.KEW 08122580 77-777	3P4W 373 KB 3/19/2012 9:19:34
🕀 By ID number	52-SD033.KEW 70508791 00-001	3P4W 223 KB 3/14/2012 4:33:30
🕀 Rv wiring system		

## Sum Display can show maximum two data.

Following screen appears when you try to select more than three data.

KewWin6305
You can select maximum two.
ОК

5. Time Series Viewer for combined data appears when you click "Data Analysis".

Time series viewer -	hate, be	paprilute	ant state	OR Risksell	ACM AND A	Owwalds and	10.0791408		_ <i>B</i> >
	🕨 🔳 PI	ay Speed 1s	ec 🗸	Report interv	al All	- 🗞 🛱 🖡		2	
								+	
/15/2012 14:51:32 3/15/2012 14:51:	32	3	3/15/201 14:51:3					3/29/2012 5/2012 11:32	14:30:32
Act.Pwr(P)			58k W			10.0	1.02 10.		
	.46k W		47k W		~~~~	Andrea	Anna		
	.64k W		35k W	man	**************************************			a strategic of	- 0
	.10k W		23k W -	*************		Janhan	And a second s	1	
			12k W	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					
			0 W -						_
Act.E(+\P)			75k Wh						
[1]+WP 22	2.86 Wh		60k Wh						-
🖩 👰 [2]+WP 447	.576 Wh		45k Wh					*****	
[Sum]+WP 670	.436 Wh		30k Wh			*****		*****	
			0 Wh -	**************					-
[1]6305-104 [2]6305-103 [1+2]	sum								
Item Value		DATE	TIME	ELAPSED TIME	Р	+WP	+\S	#DEM	
ID no. 00-104,00-103		3/15/2012	14:51:32	00000:01:00	+3.810E+04	+6.70436E+02	+7.16662E+02	+2.681E+03	
Recording i 1M		3/15/2012	14:52:32	00000:02:00	+3.958E+04	+1.30779E+03	+1.40236E+03	+5.231E+03	
Measurement 3/15/2012 14:		3/15/2012	14:53:32	00000:03:00	+4.118E+04	+1.93341E+03	+2.07168E+03	+7.733E+03	
Serial no. 6305-104,6305		3/15/2012	14:54:32	00000:04:00	+3.670E+04	+2.54359E+03	+2.72100E+03	+1.017E+04	
		3/15/2012	14:55:32	00000:05:00	+3.872E+04	+3.18836E+03	+3.40859E+03	+1.275E+04	
ID No set on the instrument		3/15/2012	14:56:32		+3.897E+04	+3.83296E+03	+4.09386E+03	+1.533E+04	
	4	3/15/2012	14:57:32	00000:07:00	+3.893E+04	+4.47979E+03	+4.78535E+03	+1.792E+04	
09ms/flame									

\* Items summed and displayed

Eleven parameters are subject to this display style. Parameters displayed are as follows.

Item on graph	arameter
Active power (P)	P, P_max, P_min, P_avg
Apparent power (S)	S, S_max, S_min, S_avg
Active (consumption) +WP	+WP
Apparent (consumption) +WS	+WS
Demand #DEM	#DEM

\* Display of max, min and avg

When analyzing data, recorded at every second; max, min and avg will be displayed with bars. ("----")

Max, min and avg are maximum, minimum and average values in the specific interval. Therefore, such values are not available if the pre-set recording interval is 1 sec.

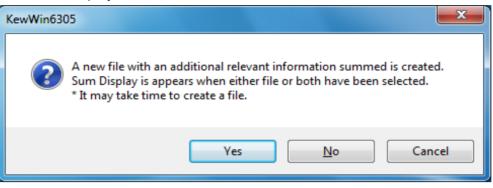
C         III           12/07/04         17:59:07         2012/07/04         2012/07/04         2012/07/04         2012/07/04         2012/07/04         2012/07/04         2012/07/04         2012/07/04         2012/07/04         2012/07/04         2012/07/04         2012/07/04         2012/07/04         2012/07/04         2012/07/04         2012/07/04         2012/07/04         2012/07/04         17:59:43         2012/07/04         17:59:43         2012/07/04         17:59:43         17:59:43         17:59:45	► ► ► ► ► ► ► ► ► ► ► ► ► ► ► ► ►
2012/07/04         17:59:07         2012/07/04         2012/07/0	2012/07/04
IIIP_sort       SI9.4 W         IIIP_sort       W         IIIP_sort       W         IIIP_sort       W         IIIP_sort       W         IIIP_sort       Software         IIIP_sort       Software         IIIP_sort       Software         IIIIS_sort       1,283k VA         IIIS_sort       1,283k VA         IIIS_sort       VA	
I]P_max        V       805.2V	****
IIP_max        W       805.2W         W       805.2W          W       338.W	****
(1)P_min        W       258.4W         (1)P_min        W       258.4W         (2) (1)P_min        W       258.4W         (2) (1)P_min        W       200V         (2) (1)S       1.88k VA       24kVA         (2) (1)S       1.88k VA       24kVA         (2) (1)S_min        VA         (1)S_min        VA	
W         288.4W           OUW         ####################################	******
Covv         ####################################	*****
Ilis         1,283k VA         24k VA           Ilismax          VA         1.8k VA           Ilismax          VA         1.8k VA	
W         1.8k VA           W         1.2k VA           W         1.2k VA	
Image: Ward of the second se	
500 01/A	
[]]S_avg VA 3550 VA	
□ <b>有効(回生)-Ψ</b> □ ■ 20Wh	
16305-008 [2]6305-008 [1+2]合算	
項目名 項目値 DATE TIME ELAPSED TIME P S Pmax Smax Pave Save Pmin	Smin
·番号 00-001,00-001 2012/07/04 17:59:07 00000:00:01 +1.215E+03 +2.704E+03	
録インタ 15 2012/07/04 17:59:08 00000:00:02 +1.186E+03 +2.640E+03	
定開始日時 2012/07/04 17 2012/07/04 17:59:09 00000:00:03 +1.182E+03 +2.643E+03	
<u>1/ 7/μNo</u> 6305-008,6305 2012/07/04 17:59:10 00000:00:04 +1.200E+03 +2.669E+03	
2012/07/04 17:58:11 00000:00:05 +1.205E+03 +2.672E+03	
住で設定した識別番号 2012/07/04 17:59:12 00000:00:06 +1.167E+03 +2.625E+03	
2012/07/04 17:59:12 00000:00:07 +1 1525+03 +2 8025+03	

If the preset recording interval is 2 sec or longer and data is recorded, of course max, min and avg values are displayed.

Recording interval can be changed; see SETUP item No. 9 of KEW6305 setting. It also can be changed by using the application: From "Synchronize measurement/ Instrument setting" menu.

Further details can be found in the instruction manual for KEW6305, "Setting 09": Recording interval" on page 4.11. When using the application, please refer to "9. Instrument setting" and "10. Functions for instrument setting".

- 18-2 Creation of an additional relevant information sum file
- 1. Following screen appears when you try to close Time Series Viewer after Sum Display for individual measurement data is shown.



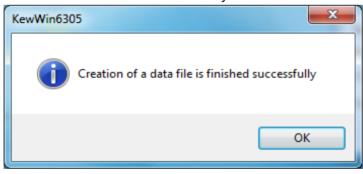
2. Following screen appears when you click "Yes".

Time Series Viewer closes without creating the file when you click "No". You return to Time Series Viewer when you click "Cancel".

🔣 File Name Input	x
Set the string you	want to give the name of the file to create
Word strings input	8_13_2012_7_55_21 PM-
File Name 1	6_13_2012_7_55_21 PM-52-SD700.KEW
File Name 2	6_13_2012_7_55_21 PM-52-SD200.KEW
	OK Cancel

A new file of summed two data with an additional relevant information summed is created when you click "OK". Once you created the file, Sum Display appears automatically from the next time when you choose either of two files you have created.

File creation is completed when the following screen appears. Time Series Viewer closes when you click "OK" to close the screen.



- 18-3 Sum of measuring data through a PC system
- 1. Select "Analyze recorded data" on the Menu window.
  - Menu window will appear when starting the application or click "Open menu" on Data management viewer.



2. Select either measurement data which were got simultaneously using a PC system. Select a target file then click "Data Analysis" button.

KEW Windows for KEW6305 - [データ管理	ビューア]	080		
ファイル(F) 環境設定(0)				
ビ     メニューを開く KEW6305を検出する	PC保存データー覧 更新する こ録データを解析	合算ファイル選択 ファイ	レを取り込む	データを取り込む
同期測定/本体設定	ファイル名	シリアルNo ID番号	結線	サイズ 更新日時 🔺
+ 記録データをPCへ保存する	52-SD025.KEW	08122580 00-001	3P3W	58 KB 2012/02/29 1
- 測定データ解析	52-SD014.KEW 52-SD013.KEW	08122580 00-001 08122580 00-001	3P4₩ 3P3₩3A	16 KB 2012/02/29 8 14 KB 2012/02/29 8
■ シリアルNo順	52-SD012.KEW	08122580 00-001	3P3₩	12 KB 2012/02/29 S
● ID番号順	52-SD011.KEW	08122580 00-001	1P3₩	12 KB 2012/02/29 8
● 結線順	ID番号 : 00-001 結線 : 3P3W	デマンド測定周期 記録インターバル時間	: 30M 罰: 2S	
	電圧レンジ: 300V クランプ : 8125	記録インスーパル時間 測定開始日時 バージョン		/29 17:26:09 N
	フリンジ: 0120 電流レンジ: 10A VT比 : 1.00	シリアルNo MACアドレス	: 0812258	0
	CT比 : 1.00	状態	: REMOTE,	

#### Time Series Viewer for Summed data appears when you click "Data Analysis".

K Time series viewer -	en, repartes	and shows	OR Westmith	ACREATES.	warmen and	0.076.07	[ 💶 😐	x
								_ & ×
	📕 Play Speed 1s	ec 🔹	Report interva	d All	- 🗞 🗟 🗎	e e 🗉 🖪	1	
<< < < 3/15/2012 14:51:32							► > 3/29/2012 1	>>> 4:30:32
3/15/2012 14:51:3	2 <	3/15/201: 14:51:32					5/2012 11:32	>
Act.Pwr(P)		58k W						-
[1]P 12.4	6k W	47k W	. 1 .	m	Andrew	Anna	hum	- =
📗 📰 👰 [2] P 25.6	4k W	35k W	- Andrew	the second se				- Ш
💽 📝 [Sum]P 38.1	0k W	23k W		m	Janen	Man	Amon	-
		12k W						
Act.E(+WP)		75k Wh						-
	86 Wh	60k Wh						-
	76 Wh	45k Wh				******		
	36 Wh	30k Wh				*****		
		15k Wh 0 Wh	*****					-
[1]6305-104 [2]6305-103 [1+2]s	um							
Item Value	DATE	TIME	ELAPSED TIME	Р	+WP	+WS	#DEM	
ID no. 00-104,00-103	3/15/2012	14:51:32	00000:01:00	+3.810E+04	+6.70436E+02	+7.16662E+02	+2.681E+03	
Recording i 1M	3/15/2012			+3.958E+04		+1.40236E+03		
Measurement 3/15/2012 14:	3/15/2012	14:53:32		+4.118E+04		+2.07168E+03		
Serial no. 6305-104,6305	3/15/2012	14:54:32	00000:04:00	+3.670E+04	+2.54359E+03	+2.72100E+03	+1.017E+04	

### 18-4 Save a summed data

1. Click "Report/List Output" button while choosing a sum sheet.

K	Time series viewer -	a jargange	Dourset (KW	All Westmitt	ACREATE	Investigation and	0.079.00	[ 🗖 🗖	x
ł	a 📼 📖 🐺 🖉 🗗 🌄 🕨	📕 Play Spe	eed 1sec 🗸 🗸	Report interv	al All	- 🚱 🔂 🚺	⊥ <mark>₽ ₽</mark>   <b>E</b>	1	
C	<< < < < < /> /15/2012 14:51:32							> > 3/29/2012	>>> 4:30:32
	3/15/2012 14:51:32	<	3/15/20 14:51:					i/2012 11:32	>
F	Act.Pwr(P)		58k W -						
	[1]P 12.46	< \\ \	47k W	2	m	Andrea	Anna	hum	
	III 👰 [2]P 25.64	< W	35k W -	- And	**************************************				
	[Sum]P 38.10	< W	23k W -	1-1 1-1	- my	Juntin	Manu	Amon	2
			0W						
			75k Wh						_
	[1]+WP 222.8		60k Wh						
	III [2]+WP 447.57	: Wh	45k Wh				****		
	[Sum]+WP 670.43	: Wh	30k Wh			*****			
			15k Wh						
	[1]6305-104 [2]6305-103 [1+2]sur								
ľ	Item Value	DA	ATE TIME	ELAPSED TIME	Р	+WP	+WS	#DEM	
	ID no. 00-104,00-108	3/15/2	2012 14:51:32	00000:01:00	+3.810E+04	+6.70436E+02	+7.16662E+02	+2.681E+03	
	Recording i 1M	3/15/2	2012 14:52:32	00000:02:00	+3.958E+04	+1.30779E+03	+1.40236E+03	+5.231E+03	
	Measurement 3/15/2012 14:	3/15/2	2012 14:53:32	00000:03:00	+4.118E+04	+1.93341E+03	+2.07168E+03	+7.733E+03	
	Serial no. 6305-104,6305	3/15/2	2012 14:54:32	00000:04:00	+3.670E+04	+2.54359E+03	+2.72100E+03	+1.017E+04	

2. Following screen appears when you click "Report/List Output" button.

Keport/ list outp	put - 🤇 🗤 🗤	Ada, begage begreen at Walk Reduced at MICH Adapted and COURT AND ADDRESS OF THE ADAPT
8 8 8		
Data save period	3/15/2012	2:50:32 PM to 3/29/2012 2:30:32 PM 13day(s)23Time40Min.0Sec
Print target	<mark>-3</mark> /15/2012 →	14:50:32 🚔 to 3/29/2012 🗸 14:30:32 🚔 13day(s)23Time40Min.0Sec
WeekEnd setting	Sat → t	to Sun 🔻 Electric power unit k 👻
Nighttime settin	ng18:00 😽 t	to 08:00 🚔
	Currency	Unit price setting WeekDay WeekEnd
	JPY(Japanese y	
		Nighttime JPY 0.0000 🔄 /k₩h 0.0000 🔄 /k₩h
Header		Test Report 6/13/2012
Footer		1/1
Tooter		
Display item	Electric eners:	gy 🕼 Total period 🕼 WeekDay Avg 🕼 WeekEnd Avg 🕼 Nighttime% 🗌 Month Avg 🥅 Day & Night Avg
	📝 Crude oil ea	quivalent
	📝 CO2 equivale	ent Emission rate for unit 0.000561 🚔 tCO2/kWh
	📝 Cost	
	📝 Electric pow	
	Channel parame	eter 🗌 Voltage 🗋 Current 🗋 Active power 🗋 Apparent power 🗋 Reactive power 🗋 Power factor
		Print report file Print list file CSV output

Following screen appears when the file size is too big. Please wait until the screen appears.

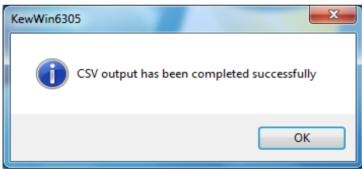
Create Report/List Output Data	x
Create the data for Report/List Output	
File Name 1 52-SD200.KEW	
File Name 2 52-SD700.KEW	
	Cancel

3. Click "CSV output" Button on the screen of 2.

Following screen appears when you click "CSV output" Button. A CSV file is output when you click "save" button after the directory and file name have been set.

Select the save file nam	2.	×
U Librario	s ► Documents ► Search Do	cuments 🔎
Organize 🔻 New fo	der	:= • 🔞
🔆 Favorites 📃 두	Documents library Includes: 2 locations	ange by: Folder 🔻
Downloads	Name Date modified	Туре
<ul> <li>Recent Places</li> <li>Libraries</li> <li>Documents</li> <li>Music</li> <li>Pictures</li> <li>Videos</li> </ul>	Image: Second state sta	4 PM File folder PM File folder PM CSV File
Computer		•
	n6_13_2012_8_43_11 PM file (comma separated)(*.csv)	
Hide Folders	Save	Cancel

Following screen appears when you click CSV Output has been completed. File saving has been completed when the following screen appears. Click "OK" to close the screen.



18-5 Caution on the sum of individual measurement data

- 1. About "1" and "2" which appears when two files are selected Time Series Viewer is shown using File 1 in case that two files are selected and the measurement started and the number of saved data are different.
- About the measurement condition which appears on the left of Sum List. ID no., Recording interval, Measurement started and serial no. are the condition shown on the left of Time Series Viewer. Data of File 1 and File 2 is used for serial no. and D no. . Recording interval and measurement started is shown only for File 1. Please refer to the chart below.

	File1 List	File2 List	Sum List
ID no.	Data in File 1	Date in File 2	Data in file 1 and 2
Wiring	Data in File 1	Date in File 2	
V range	Data in File 1	Date in File 2	
Clamp	Data in File 1	Date in File 2	
A range	Data in File 1	Date in File 2	
VT ratio	Data in File 1	Date in File 2	
CT ratio	Data in File 1	Date in File 2	
Recording interval	Data in File 1	Date in File 2	Data in File 1
Demand measurment cycle	Data in File 1	Date in File 2	
Measurment started	Data in File 1	Date in File 2	Data in File 1
Version	Data in File 1	Date in File 2	
Serial no.	Data in File 1	Date in File 2	Data in file 1 and 2
MAC address	Data in File 1	Date in File 2	

- 3. About DATE, TIME and ELAPSED TIME of the Summed List. Data in File 1 is used for DATE, TIME and ELASPED TIME cell of Summed List.
- 4. About FILE ID, VERSION, INTERVAL and START of the CSV file. Data in File 1 is used for FILE ID, VERSION, INTERVAL and START of the CSV file.

Data in File 1 and File 2 is used for SERIAL NUMBER and ID NUMBER. Data in File 1 and File 2 is used for CONDITION.

5. About the case that Measurement started and Interval of the selected file are different.

In case that two files are selected and either or both of measurement started and Interval are different, following screen appears when you click "Data Analysis" button after choosing these two files.

In case that Measurement started is different.

KewWin6305	x
The measurement started is different. Would you like to proceed Sum Display	?
OK Cano	el

In case that Interval is different or that both condition is different.

Ke	ewWin63	05
	<u>^</u>	Sum Display is impossible due to different RECORD INTERVAL TIME.
		ОК

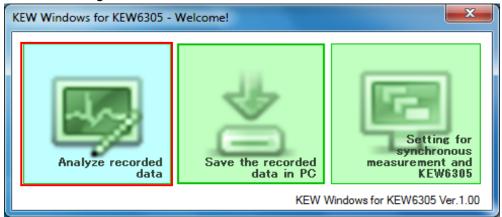
Data Analysis does not start In case that Interval is different.

Data Analysis starts when you click "OK" even in case that Measurement started is different.

#### 19. About an Instantaneous Value Measurement File

Instantaneous Value File can be output only CSV format. You can not select Data Analysis button becomes a unselected.

- 19-1 CSV File Output
  - Select "Analyze recorded data" on the Menu window. Menu window will appear when starting the application or click "Open menu" on Data management viewer.



2. Select an Instantaneous Value File from in list of data in PC. CSV Output Button appears when you select Instantaneous Value Measurement File.

File(E) Environmental setting( <u>0</u> )								
Open menu Detect KEW6305	List of data	2	elect summed	file Import Me	asured data	Data Downlow	ad	
Setting/Synchronous measurement	File name	Serial no.	ID no.	Wiring system	Size	Updated		<b>–</b>
Save the recorded data in PC	51-SD211.KEW	08122583	00-001	3P4W	2 KB	4/24/2012 8:	49:30 PM	
Analysis of measured data	52-SD036.KEW 52-ME018.KEW	08122580 08122580	77-777 00-001	3P4W 1P3W		3/19/2012 9: 3/8/2012 9:2		:
🖽 By serial no	52-SD014.KEW	08122580	00-001	3P4W	144 KB	3/6/2012 6:2	5:44 PM	
🕀 By ID number	52-SD077.KEW 52-SD067.KEW		00-001 00-001	3P3W 3P3W		2/20/2012 9: 2/9/2012 8:2		L
🖻 By wiring system	ID no. :	00-001	Deman	d measurement cyc	le :			
	Wiring :	3P4W	Recor	ding interval	:			
	V range :	300V	Measu	irement started	:			
	Clamp :	8125	Versi	on	:Ь_06,'0	)		
	A range :	AUTO	Seria	l no.	:0812258	3		
	VT ratio :	1.00	MAC a	ddress	:00_06_F	7_AF_E1_06		
	CT ratio :	1.00	Statu	IS	:			_
	* This outpu	t file is in	CSV format o	only for Instantan	eous Value I	File.	CSV Outp	ut
nalyze the data downloaded into PC.								

"CSV Output Button appears when you select Instantaneous Value Measurement File. It was not shown when you select Integrated Measurement File. 3. File Save screen appears when you click "CSV Output" button. Click "SAVE" button after the directory and file name have been set.

K Select the save file name.					
Correction Libraries	Documents	Search Documer	nts 🔎		
Organize 🔻 New folder	r		!≕ - (?)		
✓ ★ Favorites ■ Desktop	Documents library Includes: 2 locations Arrange by: Folder -				
Downloads	Name	Date modified	Туре		
<ul> <li>Recent Places</li> <li>Libraries</li> <li>Documents</li> <li>My Documents</li> <li>Public Docume</li> <li>Music</li> <li>Pictures</li> <li>Videos</li> </ul>	<ul> <li>6305-008</li> <li>Bluetooth</li> <li>KEW</li> <li>2012_02_06 13_50_16_000001</li> </ul>	3/8/2012 5:06 PM 10/18/2011 7:14 PM 3/8/2012 6:06 PM 2/27/2012 10:13 PM	File folder File folder File folder CSV File		
File name:     51-SD211       Save as type:     csv file (comma separated)(*.csv)					
) Hide Folders		Save	Cancel		

CSV file output has been completed when the following screen appears. Close the screen by clicking  $\rm `'OK''.$ 

KewWin6305	x
CSV output has been completed successfully	
ОК	

#### 20. Troubleshooting

If KEW Windows for KEW6305 seems not to be working normally, please check the following points.

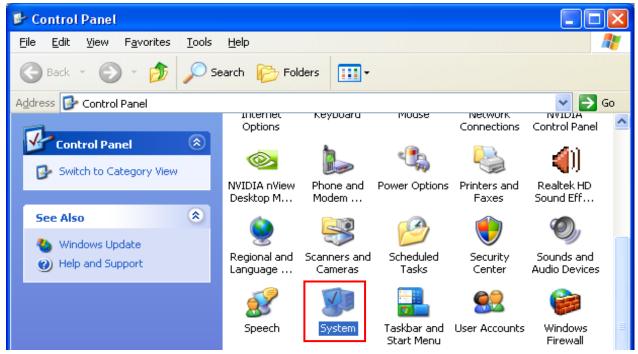
# \* KEW6305 is not displayed on the list although it has been connected with PC by using USB cable.

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

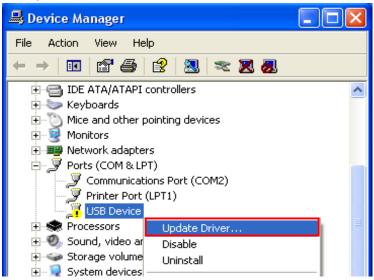
If KEW6305 were not displayed after trying above procedure, USB driver may not be recognized properly. Follow the procedure below and reinstall the driver.

For Windows XP:

1) Click "Start", "Control Panel" and then "System".



2) Right click on the "USB Device" under "Ports (COM & LPT)", and then click "Update Driver".



 Then the following window will appear. Select "No, not this time", and click "Next".

Found New Hardware Wizard				
	Welcome to the Found New Hardware Wizard Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission). Read our privacy policy			
	Can Windows connect to Windows Update to search for software? Yes, this time only Yes, now and every time I connect a device No, not this time Click Next to continue.			
	< Back Next > Cancel			

4) Select "Install the software automatically (Recommended)" when the following window appears, and then click "Next".

Found New Hardware Wizard			
	This wizard helps you install software for: KEW POWER METER 6305 If your hardware came with an installation CD or floppy disk, insert it now. What do you want the wizard to do? What do you want the wizard to do? Install the software automatically (Recommended) Install from a list or specific location (Advanced) Click Next to continue.		
	< <u>B</u> ack <u>N</u> ext > Cancel		

5) If the following warning message appears, click "Continue Anyway". (It is no problem to continue installing because operation has already been verified.)



6) Click "Finish" when the following window appears.

Hardware Update Wizard	
	Completing the Hardware Update Wizard
	The wizard has finished installing the software for:
	KEW POWER METER 6305
	Click Finish to close the wizard.
	< <u>B</u> ack <b>Finish</b> Cancel

When the installation has been successfully completed, the installed driver "KEW POWER METER 6305" will be displayed under "Ports (COM & LPT)". Close the window and start the supplied PC application.



If installation fails even though following above procedure, 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 "kewusb100\_setup.exe" to start installation. Please refer to the Installation manual for further details.

For Windows 10/8/7/ Vista:

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 "kewusb100\_setup.exe" to start installation.

Please refer to the Installation manual for further details.

# \* "ON" is not displayed on the cell of PC Connection although KEW6305 has been connected with PC via Bluetooth.

Check the pairing connection is established or not.

For the pairing procedure, please refer to the manuals of your Bluetooth devices or "Start Menu" -> "All Programs" -> "KEW" -> "6305 Pairing manual.pdf" file.

# \* Communication between KEW Windows for KEW6305 and KEW6305 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 KEW6305". Then disconnect and reconnect the USB, and click "Detect KEW6305". Check that the serial no. of the connected KEW6305 is displayed under "Data download".

# \* During a synchronous or monitoring measurement, graph is not refreshed at the selected interval.

Graph may not be refreshed at the selected interval depending on your PC environment. (e.g.: Graph is refreshed at every 3 sec while the preset refresh rate for real-time measurement is 2 sec.) Actual refresh rate is displayed at lower left on the Time series viewer window. (Unit: ms) When setting the refresh rate, it should be longer than the one displayed at the lower left of the window.

To speed up the refresh rate, reduce the max number of display data at environmental setting. It takes longer time if the max number of display data is large.

### \* 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

Please refer to "17. Measured data import" describing how to import files to PC by using SD card reader.