KEW Windows for KEW5050 Quick Start Guide

Starting KEW Windows for KE	Next page
	next page
Data Analysis	
Analysis of data stored in KEW5050	P.6
Analysis of downloaded data	P.9
Analysis of log data	P.11
Data save to PC	
Data import from SD card to PC	P.22
Data import by using Card reader	P.24
KEW5050 Setting	
Making of KEW5050 Setting data	P.28
Setting data readout from KEW5050	P.31
Reflecting edited setting data on KEW5050	P.33
Other Functions	
Exporting data in PDF format	P.34
Environmental Setting	
	P.35
Trouble-shooting	
	P.39

Environmental requirements

System requirements:

CPU	: Pentium 4 1.6GHz or more
Memory	: 1Gbyte or more (for Windows 10 / 8 / 7)
• OS	: Windows 10 / 8 / 7 (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

Without connecting PC and KEW5050:

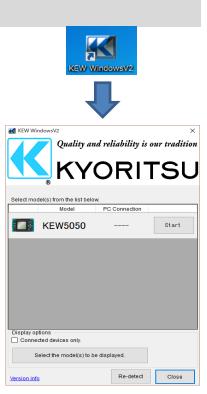
[Data Analysis (P.6)]

is available.

STEP 1

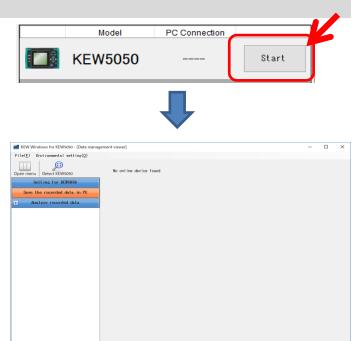
Start "KEW Windows".

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



STEP 2 Start "KEW Windows for KEW5050".

1 Click the [Start] button for KEW5050.



With PC and KEW5050 connected:

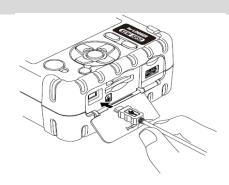
[Data Analysis (P.6)] [Saving data to PC (P.22)] [KEW5050 Setting (P.28)]

are available.

STEP 1

Connect KEW5050 and PC.

1 Connect KEW5050 and PC with the USB cable.

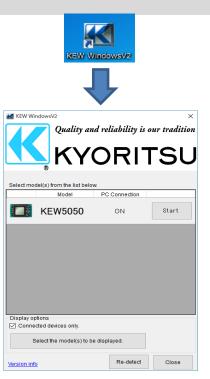


2 Turn on KEW5050.

STEP 2

Start "KEW Windows".

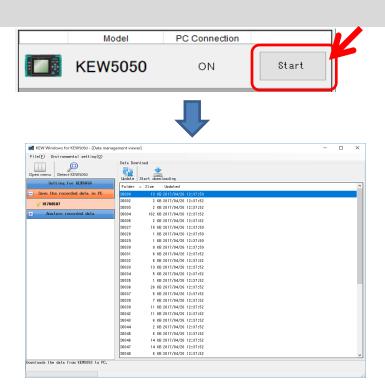
1 Double-click the short-cut icon on the desktop, or click "Start" -> "All programs" -> "KEW" -> "KEW WindowsV2".



STEP 3

Start "KEW Windows for KEW5050".

1 Click the *[Start]* button for KEW5050.



If "ON" is not displayed for the connected status although KEW5050 is being connected to PC, click [*Re-detect*].

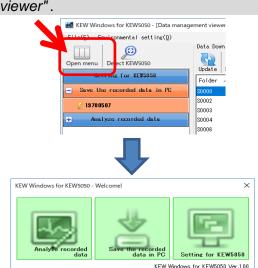
If "ON" is still not displayed, see the "Trouble-shooting".

Analysis of data stored in KEW5050

STEP 1

Open the Menu

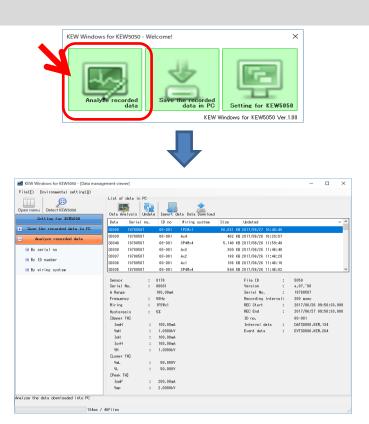
1 Click the [Open menu] icon on the "Data management viewer".



STEP 2

Show the list of data stored in PC

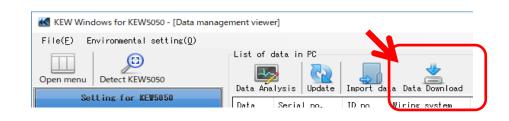
1 Click the [Analyze recorded data] icon.



STEP 3

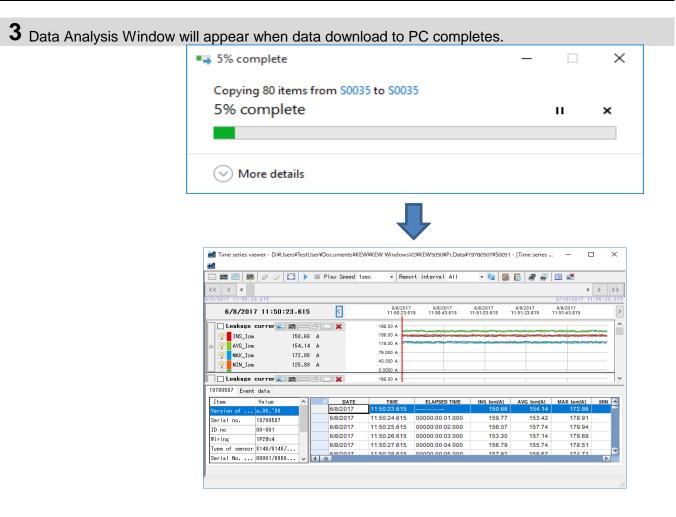
View the data stored in KEW5050

1 Select the items to be analyzed.



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

File(<u>F</u>) Environmental setting(<u>0</u>)			
Open menu Detect KEW5050	Data k Constant	Start downloading	
Setting for KEW5050		▲ Size Updated	
Save the recorded data in PC	S0000	13 KB 2017/04/26 12:37:50	
₽ 19780507	S0002 S0003	2 KB 2017/04/26 12:37:52 2 KB 2017/04/26 12:37:52	
+ Analyze recorded data	S0004	162 KB 2017/04/26 12:37:52	
	\$0006	2 KB 2017/04/26 12:37:52	
	S0027	18 KB 2017/04/26 12:37:50	
	S0028	1 KB 2017/04/26 12:37:50	
	S0029	1 KB 2017/04/26 12:37:50	
	20030	8 KB 2017/04/26 12:37:50	
	S0031	6 KB 2017/04/26 12:37:52	
	S0032	6 KB 2017/04/26 12:37:52	
	20033	13 KB 2017/04/26 12:37:52	
	S0034	5 KB 2017/04/26 12:37:52	
	S0032	1 KB 2017/04/26 12:37:52	
	20036	26 KB 2017/04/26 12:37:52	
	S0037	5 KB 2017/04/26 12:37:52	
	S0038	7 KB 2017/04/26 12:37:52	
	S0039	11 KB 2017/04/26 12:37:52	
	S0042	11 KB 2017/04/26 12:37:52	
	S0043	6 KB 2017/04/26 12:37:52	
	S0044	2 KB 2017/04/26 12:37:52 6 KB 2017/04/26 12:37:52	
	S0045 S0046	6 KB 2017/04/26 12:37:52 14 KB 2017/04/26 12:37:52	
	S0047	14 KB 2017/04/26 12:37:52 6 KB 2017/04/26 12:37:52	
	S0048	6 KD 2017/04/26 12:37:82	

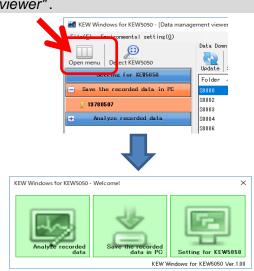


Analysis of downloaded data

STEP 1

Open the Menu

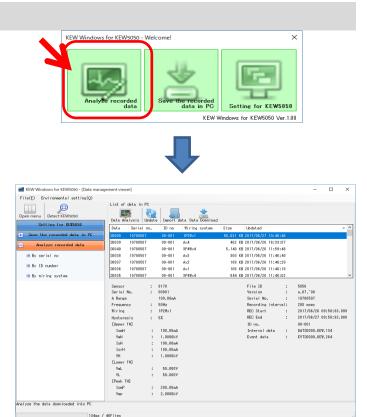
1 Click the [Open menu] icon on the "Data management viewer".



STEP 2

Show the list of data stored in PC

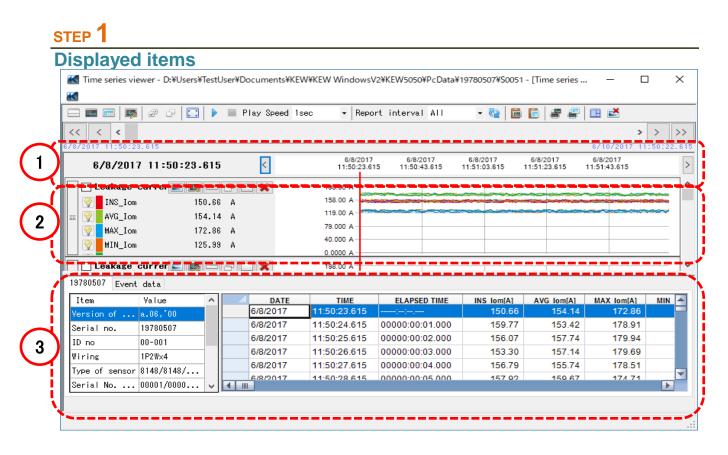
1 Click the [Analyze recorded data] icon.



2 Click the [Data Analysis] icon.

	JOWS TOT KE	vv 50	- 060	[Data II	nanagement	vieweij				
ile(<u>E</u>) E	nvironment	al s	setti	ng(<u>0</u>						
pen menu Set	Detect KE					t of data in 1 Less a Analysis	Dpdate I		a Data D	
			0000			a Gerial	no. I	Dinn	Wirine sv	/stem
🔣 Time series vi	ewer - D:¥Users¥	TestUs	er¥Docu	uments¥KE	W¥KEW Windows	V2¥KEW5050¥PcData¥	19780507¥S0051	- [Time series	. – ⊏	1 ×
			Pla	v Speed 1:	sec v Rep	ort interval All	- 🖏 🔚	💼 🖉 🚇	□	
Alternative descent for the second s	3.615		Pla;	y Speed 1:		ort interval All		i # #	6/10/2017 11	
			Play	y Speed 1:	sec • Rep 6/8/201 11:50-23.6	7 6/8/2017	6/8/2017	6/8/2017	>	
6/8/201	3. 615	615			6/8/201 11:50:23.0 198.00 A	7 6/8/2017	6/8/2017	6/8/2017	6/10/2017 11 6/8/2017	
6/8/201	3.615 7 11:50:23. currer 🛌 📾	615		<	6/8/2011 11:50:23.6 198.00 A 158.00 A	7 6/8/2017	6/8/2017	6/8/2017	6/10/2017 11 6/8/2017	
<	3.615 7 11:50:23. currer : 8	615 0.66 4.14	2	<	6/8/2011 11:50-23.6 198.00 A 158.00 A 119.00 A	7 6/8/2017	6/8/2017	6/8/2017	6/10/2017 11 6/8/2017	
Image: Constraint of the second sec	3.615 7 11:50:23. currer : ::::::::::::::::::::::::::::::::	615 0.66 4.14 2.86	A A A	<	6/8/201 11:50-23.6 198.00 A 158.00 A 119.00 A 79.000 A	7 6/8/2017	6/8/2017	6/8/2017	6/10/2017 11 6/8/2017	
<	3.615 7 11:50:23. currer : ::::::::::::::::::::::::::::::::	615 0.66 4.14	A A A	<	6/8/2011 11:50-23.6 198.00 A 158.00 A 119.00 A	7 6/8/2017	6/8/2017	6/8/2017	6/10/2017 11 6/8/2017	
Image: Constraint of the second sec	3.615 7 11:50:23. currer : ::::::::::::::::::::::::::::::::	615 0.66 4.14 2.86 5.99	A A A A A	<	6/8/201 11:50-23.6 198.00 A 198.00 A 199.00 A 79.000 A 40.000 A	7 6/8/2017	6/8/2017	6/8/2017	6/10/2017 11 6/8/2017	
Image: Second state Image: Second state Second state Second state Image: Second state Image: Second state	3. 615 7 11:50:23 - currer : 55 15 15 15 17 12	615 0.66 4.14 2.86 5.99	A A A A A	× .	6/8/201 11:59/234 198:00 A 195:00 A 199:00 A 40:000 A 0:0000 A	7 6/8/2017	6/8/2017	6/8/2017	6/10/2017 11 6/8/2017	
Image: Second state Image: Second state Second state Second state Image: Second state Image: Second state	3.615 7 11:50:23. currer 2 2 3. 15 15 15 17 12 2 currer 2 2 3.	615 0.66 4.14 2.86 5.99		K K DATE	6(%201 11:50:23. 198.00 A 158.00 A 79.000 A 40.000 A 198.00 A 198.00 A	7 6/8/2017	5(8)(2017 11:51:03:615	6/8/2017 11:51:23.615	> 5/10/2017 11 6/8/2017 11 11:51:43.615	
	3.615 7 11:50:23. currer 15 15 17 12 currer 3 data Value	615).66 4.14 2.86 5.99	A A A A A A		6/8/201 11:50:23/ 198.00 A 198.00 A 198.00 A 0.0000 A 198.00 A 198.00 A 198.00 A 198.00 A 198.00 A	7 6.8/2017 11.50.43.615 ELAPSED TIME ELAPSED TIME	5/8/2017 11:51:03:615	6/6/2017 11:51:23.615	> 6/10/2017 11 6/8/2017 11:51/43.615	
	3.615 7 11:50:23. currer 15 15 17 12 currer 3 data Value	615).66 4.14 2.86 5.99	A A A A A A 6/		6(8201 11:5023) 198.00 A 198.00 A 198.00 A 198.00 A 198.00 A 198.00 A 198.00 A 198.00 A 198.00 A 1150/228.615	7 5 6/6/2017 7 13 11:50:43:615	6/8/2017 11:51:03:615	6/8/2017 11:51:23.615 AVG Icm(A) 154.14 153.42	> 6/10/2017 11 6/8/2017 11:51:43.615 MAX Iom(A) 172.86 178.91	
	2.615 7 11:50:23. currer ► ► 15 15 15 17 12 currer ► ► 4 4 ata ×06, '00	615).66 4.14 2.86 5.99	A A A A A A A A A A A A A A A A A A A	DATE DATE B/2017 B/2017	11:50:23.1 11:50:23.1 198:00 A 198:00 A 199:00 A 19	7 568/2017 115 11:50:43:615 ELAPSED TIME 00000:00:01.1000 00000:00:02.000	6/8/2017 11:51:03.615 INS Iom[A] 150.66 159.77 156.07	6/8/2017 11:51:23.615 AVG tom[A] 154.14 153.42 157.74	> 6/10/2017 11 6/8/2017 11:51:36:15 MAX lom(A) 172:86 178:91 179:94	
Contemporation of the second	s.615 7 11:50:23 currer 15 15 17 17 12 currer 34 44 44 94.10 9.09,*00 19780507	615).66 4.14 2.86 5.99	A A A A A A A A A A A A A A A A A A A	DATE 8/2017 8/2017 8/2017	668/201 11:50 23/ 198:00 A 198:00 A 198:00 A 73:000 A 198:00 A 199:00 A	7 668/2017 715 11:50:43.615 ELAPSED TIME 00000:00:10:00 00000:00:22.00 00000:00:22.00 00000:00:22.00	6/8/2017 11:51:03:615 INS Iom[A] 150:60 159:77 156:77 155:30	6/8/2017 11:5123.615 AVG Iom[A] 155.14 155.14 157.14	> 67/10/2017 11 6/8/077 11:51:43:615 1 1 1 1 1 1 1 1 1 2 2 6 0 1 7 8:91 1 7 7 9.9 1 1 7 9.99 1 1 7 9.99 1 1 7 9.99 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	2.615 7 11:50:23. currer ≥ ∞ 15 15 17 17 12 currer ≥ ∞ 4ata value a.06,*00 13780607 000 13780607 000 13780607 000 13780607	615).66 4.14 2.86 5.99	A A A A A A A A A A A A A A A A A A A	DATE DATE B/2017 B/2017	11:50:23.1 198:00 A 198:00 A 198:00 A 198:00 A 199:00 A 190:02 A 190:	7 568/2017 115 11:50:43:615 ELAPSED TIME 00000:00:01.1000 00000:00:02.000	6/8/2017 11:51:03.615 INS Iom[A] 150.66 159.77 156.07	6/8/2017 11:51:23.615 AVG tom[A] 154.14 153.42 157.74	> 6/10/2017 11 6/8/2017 11:51:36:15 MAX lom(A) 172:86 178:91 179:94	

Analysis of log data



1 Data recorded time

Time when the oldest data reco	rded		Time w	hen the la	itest data	recorded
6/8/2017 11:50:23.615					6/10/2017	1 :50:22.615
6/8/2017 11:50:23.615	6/8/2017 11:50:23.615	6/8/2017 11:50:43.615	6/8/2017 11:51:03.615	6/8/2017 11:51:23.615	6/8/2017 11:51:43.615	>
Time for the cursor location.		Time a	kis on the	graph		

2 Graph [Time Series Graph] Graph Name Cursor 🗖 Leakage currer 📰 📑 🗁 🗁 🗙 198.00 A 158.00 A 💡 📕 INS_Iom 150.66 A AVG_Iom 154.14 A 119.00 A 9 79.000 A MAX_Iom 172.86 A 9 40.000 A MIN_Iom 125.99 A 0.0000 A Measured value axis Parameter Values where cursor is located. [Graph of occurred event] Graph Name Cursor 🗌 Event (Upper) 📄 🔤 🗁 🗔 🗙 lomH^{*} 💡 Iom1H 99.000 mA IoH' ٠ 💡 📕 Iom2H 98.000 mA lorH Iom3H 97.000 mA VmH¹ 9 VH-Iom4H 96.000 mA ł Event threshold Parameter Event occurrence

3 List

[Time Series List] Select KEW5050 [Serial No.] tab.

Item	Value	\sim	DATE	TIME	ELAPSED TIME	INS Iom[A]	AVG Iom[A]	MAX Iom[A]	MIN
Version of	a.06,'00		6/8/2017	11:50:23.615		150.66	154.14	172.86	
Serial no.	19780507		6/8/2017	11:50:24.615	00000:00:01.000	159.77	153.42	178.91	
ID no	00-001		6/8/2017	11:50:25.615	00000:00:02.000	156.07	157.74	179.94	
Wiring	1P2W×4		6/8/2017	11:50:26.615	00000:00:03.000	153.30	157.14	179.69	
Type of sensor		-	6/8/2017	11:50:27.615	00000:00:04.000	156.79	155.74	178.51	
Type of sensor	8148/8148/		6/8/2017	11:50:28.615	00000.00.05 000	157.02	159.67	17/ 71	

/ Measurement info

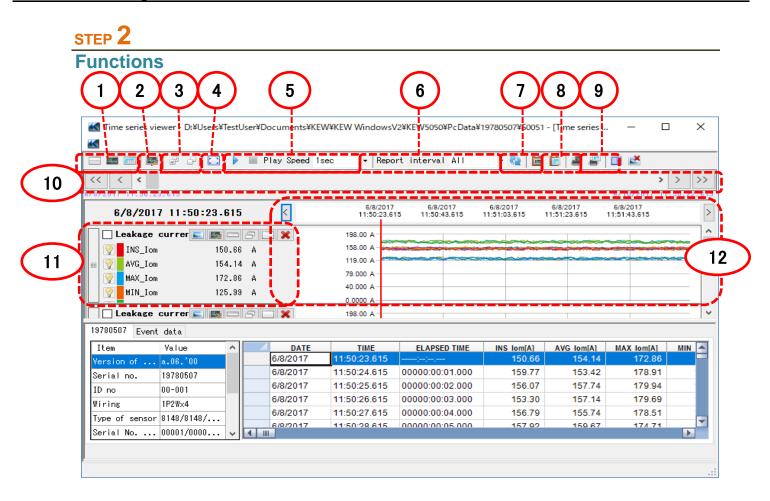


[Graph of occurred event] Select [Event data] tab.

Upper		\sim	DATE	TIME	ELAPSED TIME	EVENT TITLE	EVENT
Leakage current rms	1tim		6/8/2017	11:50:40.015	00000:00:16.400	Upper Leakage current(A)2ch	START
Voltage rms	3tim		6/8/2017	11:51:00.615	00000:00:37.000	Upper Leakage current(A)4ch	START
Leakage current	Otim	-	6/8/2017	11:51:51.015	00000:01:27.400	Upper Leakage current rms(A)	START
-			6/8/2017	11:51:56.615	00000:01:33.000	Upper Leakage current(A)2ch	END
Resistive leakage cu V oltage	0tim		6/8/2017	11:52:00.215	00000:01:36.600	Peak Leakage current(A)4ch	START

Total number of occurrence of each event

List of occurred events



1 Changing the display layout.

To display graph and list on one screen at the same time: Split the screen in two sections and display Time Series graph in the upper area and list data in the lower area.

i 💷 📖 🐺	e e 🖸		🔲 Play :	Speed	Isec • F	Report	interval	ALL	- 6		1	ar 🗉 🖬	5	
< < <													>	> :
2017 11:50:28	. 615											67107	2017 11:1	50:22.
6/8/2017	11:50:23.	615	<]	6/8/3 11:50 :	2017 23.615	6/8/2 11:50:4	017 3.615	6/8/2017 11:51:03.6	5 11	6/8/2017 :51:23.615	6/8/201 11:51:43	17 .615	
Leakage c	ur rer 📰 🌆		sox	1	198.00 A									
VIII INS_Ion	15	0.66	A		158.00 A	-	-		-	-	-			
AVG_Ion	15	4.14	۵		119.00 A	-		-						
MAX Ion		2.86			79.000 A-									
WIN Ion		5.99			40.000 A									
A UNCTON	12	0.00	м	_	0.0000 A									
Leakage d	:ur rer 📰 🛤		80.	1	198.00 A									
780507 Event	data													
ten	Value	~	-	DATE	TIME		ELAPSE	D TIME	INS Io	n(A)	AVG Iom	A) MAX	lom[A]	MIN
rsion of	a.08,100		6/8/	2017	11:50:23.61	15 -			15	0.66	154	.14 1	172.86	
rial no.	19780507	• II	6/8/	2017	11:50:24.61	15 0	0000:00:	01.000	15	9.77	153	.42 1	78.91	
no.	00-001		6/8/	2017	11:50:25.61	15 0	0000:00:	02.000	15	6.07	157	.74 1	79.94	
	1P2¥x4		6/8/	2017	11:50:26.61	15 0	0000:00:	03.000	15	3.30	157	.14 1	79.69	
pe of sensor		- 1	6/8/	2017	11:50:27.61	15 0	0000:00:	04.000	15	6.79	155	.74 1	78.51	-
rial No		1.1	4	2017	11-50-28.61	16 0	0000-00-	000.30	46	7.02	150	67 4	74 74	

🔤 To display graph only

Time Series graphs are arranged and displayed on one screen.

K																
	: 🚥 📖 🐺 🖉	6P 🛄 🕨	🔲 Play Speed	d 1sec -	Report	interval	ALL		65	100		8 4	2	2		
< 1	< < <														> >	>
	/2017 11:50:23.615												67	10/2017	11:50:	
	6/8/2017 11	:50:23.615	<	6/ 11:5	8/2017	6/8/2 11:50:4	017	6/8/2	2017	1	6/8/20	17 615	6/I 11:5	1/2017		
					-											
	Leakage curr			198.00 A			~							-		
	INS_Ion	150.66				a section of the lot			_							
	Q AVG_Ion	154.14	A	119.00 A 79.000 A												
	🥘 MAX_Ion	172.86	A	79.000 / 40.000 /												
	MIN_Ion	125.99	A	0.0000 /												
	Leakage curr			0.0000 / 198.00 /							-					-
		152.47		158.00 /							-	-	~~			
	INS_Io			119.00 4					_	-	_	_				2
	AVG_Io	152.17		79.000 /												
	MAX_Io	174.67		40.000 /												
	MIN_Io	120.33	A	0.0000 /												
	🗌 Resistive le	• L		158.00 /	_											
	INS_lor	158.76		158.00 /						Configure			-			
				119.00 /				-	-	~		~~~		-	-	
	Q AVG_Ior	154.52		79.000 /												
	💡 MAX_Ior	170.82	A	40.000 /												

To display list only Show the list data on one screen.

- == == 🛤	e o 🖸 🕨	Play Speed 1	sec • Repo	ort interval All	- 🥸 🛅	🖹 🖉 🖉	💷 🚅		
< < <							>	> :	>
8/2017 11:50:2	3.615						6/10/2017 11	:50:22.	. 6
9780507 Event	data								
Iten	Value	DATE	TIME	ELAPSED TIME	INS Iom[A]	AVG Iom[A]	MAX Iom[A]	MIN	2
Version of	a.08.100	6/8/2017	11:50:23.615		150.66	154.14	172.86		l
Serial no.	19780507	6/8/2017	11:50:24.615	00000:00:01.000	159.77	153.42	178.91		Ľ
D no	00-001	6/8/2017	11:50:25.615	00000:00:02.000	156.07	157.74	179.94		
lining	1928-4	6/8/2017	11:50:26.615	00000:00:03.000	153.30	157.14	179.69		
	8148/8148/814	6/8/2017	11:50:27.615	00000:00:04.000	156.79	155.74	178.51		
	00001/00001/0	6/8/2017	11:50:28.615	00000:00:05.000	157.92	159.67	174.71		
Rance	100.00**/100	6/8/2017	11:50:29.615	00000:00:06.000	152.09	152.75	175.71		
		6/8/2017	11:50:30.615	00000:00:07.000	159.29	150.75	171.83		
interval	1 sec.	6/8/2017	11:50:31.615	00000:00:08.000	158.37	151.44	176.64		
EC Start	6/8/2017 '11:	6/8/2017	11:50:32.615	00000:00:09.000	159.13	155.44	179.96	_	
REC End	6/10/2017 '11	6/8/2017	11:50:33.615	00000:00:10.000	151.13	159.03	175.21	-	
ioninal f	60Hz	6/8/2017	11:50:34.615	00000:00:11.000	151.87	158.54	173.84	_	
		6/8/2017	11:50:35.615	00000:00:12.000	151.89	153.06	174.82	_	
		6/8/2017	11:50:36.615	00000:00:13.000	154.44	152.28	171.54		
		4	44-50-07 645	00000-00-14 000	452.00	454.70	175.00	Þ	

2 Switching the displayed graphs

To display the other graphs Select the measured data you want to

display on a graph.

· • • • • • • • • • • • • • • • • • • •	1	Parameter	Item	-
🗖 🗹 🚽 Instantaneous value 📢		INS_Iom[A]	INS_Iom[A]	
V => <mark>Leakage current ri</mark> V => Leakage current(A)		AVG_Iom[A]	AVG_Iom[A]	
		MAX_Iom[A]	MAX_Iom[A]	
		MIN_Iom[A]	MIN_Iom[A]	
		INS_Iom1[A]	INS_Iom1[A]	
		AVG_Iom1[A]	AVG_Iom1[A]	
Insulation resiste		MAX_Iom1[A]	MAX_Iom1[A]	
⇒ 🗹 → Event(Upper) └───→ Upper・Leakage cur		MIN_Iom1[A]	MIN_Iom1[A]	
Upper · Leakage cur		INS_Iom2[A]	INS_Iom2 [A]	
		AVG_Iom2 [A]	AVG_Iom2[A]	
		MAX_Iom2[A]	MAX_Iom2[A]	
<		MIN_Iom2[A]	MIN_Iom2 🚯]	

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

1.61.6		
2 [V] -		AVG_V2 [V]
3 [V] 1 [V]	Select A	
2 [V]	Deselec	
3 [V]		MAX_V3[V]

Check for the graphs to be displayed.

Check for the parameters to be displayed on a graph.

3 Select/ Un-select the graphs

To select all the graphs

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

🔣 Time series view	ver - D:¥Users¥TestU	ser¥Documents¥KEW¥	KEW WindowsV2	KEW5050¥PcDat	a¥19780507¥S00)51 - [Time serie	s —	
K								
	æ d 🗔 🕨	Play Speed 1sec	* Report	interval All	- 83	i 📔 🖉 🕯		
			- nopore	Incorver Arr	. 📲		1	
<< < <								> >
6/8/2017 11:50:23.	615							11:50:2
6/8/2017	11:50:24-615	<	6/8/2017 11:50:23.615	6/8/2017 11:50:43.615	6/8/2017 11:51:03.615	6/8/2017 11:51:23.615	6/8/2017 11:51:43.615	
	urrer 💽 🌉 💳	208	198.00 A					
	159.77		158.00 A					
INS_Iom			119.00 A					-
AVG_Iom	153.42		79.000 A					
MAX_Iom	178.91		40.000 A					
MIN_Iom	124.41	A	0.0000 A					
🗌 🖂 Leakage c	urrer 📰 📑 💳	8 🗆 🗙	198.00 A					
INS_Io	159.97	A	158.00 A					
AVG_Io	154.15	A	119.00 A	*****				
MAX_Io	177.40	A	79.000 A					
MIN_Io	123.36	A	40.000 A					
			0.0000 A					
	leak 📰 國 💳		198.00 A					
INS_Ior	159.73		158.00 A					
AVG_Ior	154.39		119.00 A					
MAX_Ior	174.88	A	79.000 A					
MIN_Ior	120.26	A	40.000 A					

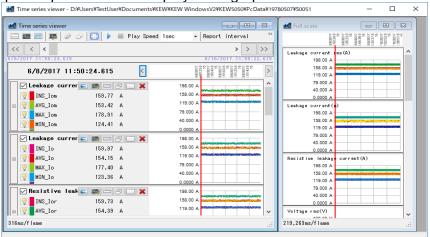
To unselect all the graphs Uncheck all the checked boxes.

*									
🖃 📼 📖 🛤	ef ef 🛄 🕨	📄 Play Spe	eed 1sec 🔹 R	eport interva	ALL .	- 🍋 🚺	i 🗈 🖉 i	F 🖪 🛃	
<< <									> >
6/8/2017 11:50:23	. 615							6/10/2013	11:5
6/8/2017	11:50:24-615	<	6/8/2 11:50:2	017 6/8/ 3.615 11:50	2017 :43.615 1	6/8/2017 11:51:03.615	6/8/2017 11:51:23.615	6/8/2017 11:51:43.615	
Leakage d	surrer 💽 📑 📼	8 🗆 🗙	198.00 A						
INS_Iom	159.77	A	158.00 A-						
AVG Iom	153.42	A	119.00 A-						******
MAX_Iom	178.91	A	79.000 A-						
MIN_Iom	124.41		40.000 A-						
			0.0000 A						
Leakage o	surrer 💽 📑 🗔	8 🗆 🗙	198.00 A						
INS_Io	159.97	A	158.00 A						-
📰 📝 AVG_Io	154.15	A	119.00 A-						
MAX_Io	177.40	A	79.000 A-						
MIN_Io	123.36	A	40.000 A-						
			0.0000 A						
🗌 Resistive			198.00 A					~~~~	
INS_Ior	159.73		158.00 A						
🗌 📰 🕎 🛛 AVG_Ior	154.39	A	119.00 A-						
MAX_Ior	174.88	A	79.000 A-						
MIN_Ior	120.26	A	40.000 A-						

4 Displaying graph in full-scale

To display the selected graphs in full-scale.

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



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

5 Enabling auto-scrolling.

Start auto-scrolling.

Stop auto-scrolling.

Play Speed 1sec

To change the auto-scrolling speed. Cursor moves in the specified speed automatically.

6 Changing the report cycle.

Report interval 1per min 🝷 🍓

To change the report cycle

÷

Change the data display interval

Ex.

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

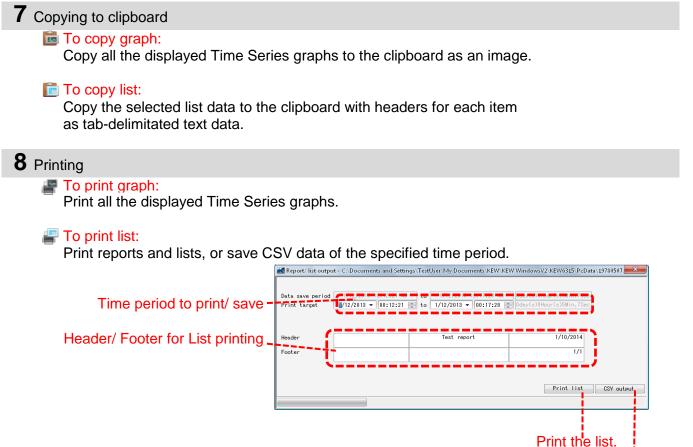
Actual data

Elapsed time 0000:00:01 0000:00:02 0000:00:03

0000:60:00 Total 3600 data After changing the display interval Elapsed time

0000:01:00 0000:02:00 0000:03:00

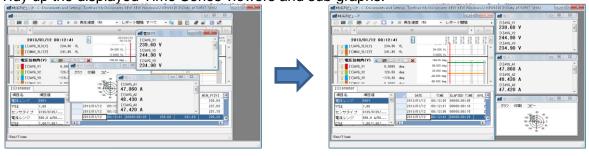
0000:60:00 Total 60 data



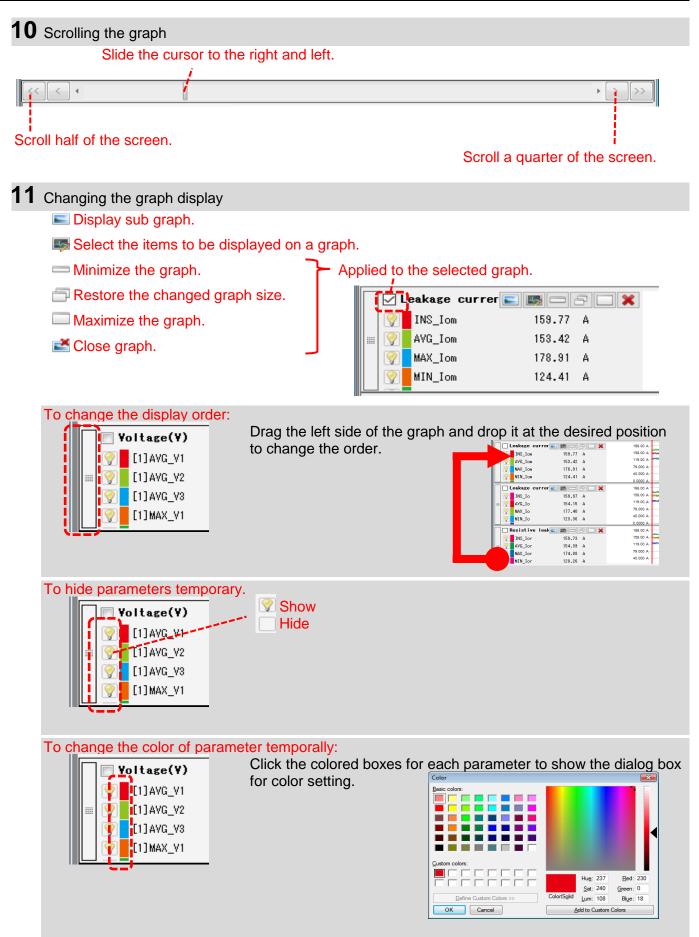
Save data in CSV format.

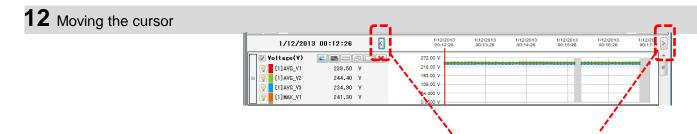
9 Arranging sub-graphs

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

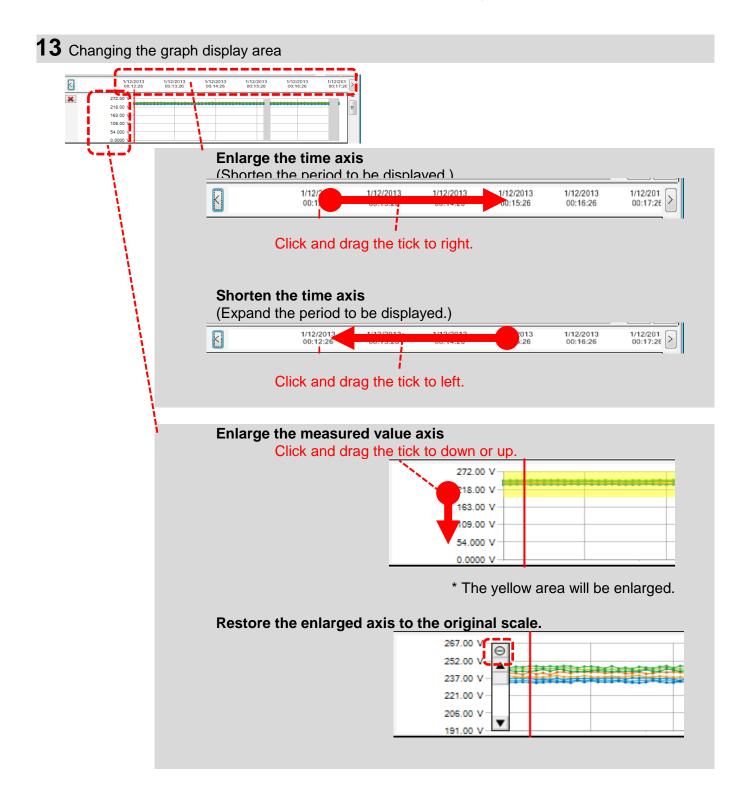


To close all the open sub graphs: Close all the displayed sub graphs.





Move the cursor by one interval back and forth.

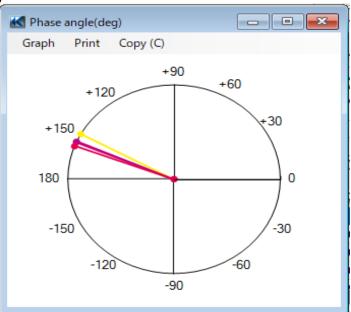


STEP 3

Sub graph display

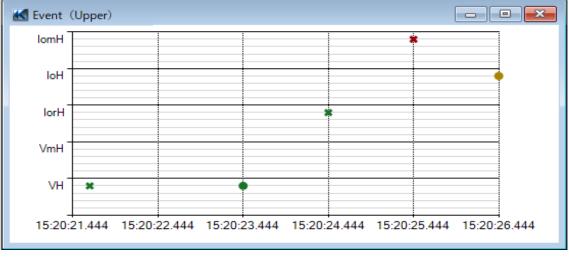
1 Vector Display

Vector diagram represents the phase angle where the cursor is located. (only the phase angle of leakage current)



2 Detail of event

Detail of the event occurred in the interval where the cursor is located is displayed. (where the interval is 1 sec. or longer)



...Start of event
 ...End of event

3 Cursor value

Display the measured values for the cursor location in the large window. (except for phase angle and event)

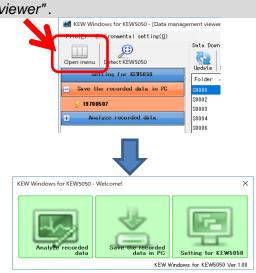
urrent rms(A)						- • ×
A	AVG_Iom 154.24	A	MAX_Iom 178.73	A	MIN_Iom 123.21	A
A	AVG_Iom1 152.07	A	MAX_Iom1 170.08	A	MIN_Iom1 128.55	A
A	AVG_Iom2 157.59	A	MAX_Iom2 178.74	A	MIN_Iom2 124.85	٨
A	AVG_Iom3 159.33	A	MAX_Iom3 171.88	A	MIN_Iom3 129.32	A
A	AVG_Iom4 153.42	A	MAX_Iom4 170.47	A	MIN_Iom4 121.94	A
	A A A A	AVG_Iom A 154.24 AVG_Iom1 A 152.07 AVG_Iom2 A 157.59 AVG_Iom3 A 159.33 AVG_Iom4	AVG_Iom A 154.24 A AVG_Iom1 A 152.07 A AVG_Iom2 A 157.59 A AVG_Iom3 A 159.33 A AVG_Iom4	AVG_Iom MAX_Iom A 154.24 A 178.73 AVG_Iom1 MAX_Iom1 MAX_Iom1 A 152.07 A 170.08 AVG_Iom2 MAX_Iom2 MAX_Iom2 A 157.59 A 178.74 AVG_Iom3 MAX_Iom3 MAX_Iom3 A 159.33 A 171.88 AVG_Iom4 MAX_Iom4 MAX_Iom4	AVG_Iom MAX_Iom A 154.24 A 178.73 A AVG_Iom1 MAX_Iom1 MAX_Iom1 A 152.07 A 170.08 A AVG_Iom2 MAX_Iom2 MAX_Iom2 A 157.59 A 178.74 A AVG_Iom3 MAX_Iom3 MAX_Iom3 A 159.33 A 171.88 A AVG_Iom4 MAX_Iom4 MAX_Iom4	AVG_Iom MAX_Iom MIN_Iom A 154.24 A 178.73 A 123.21 AVG_Iom1 MAX_Iom1 MIN_Iom1 A 152.07 A 170.08 A 128.55 AVG_Iom2 MAX_Iom2 MIN_Iom2 A 157.59 A 178.74 A 124.85 AVG_Iom3 MAX_Iom3 MIN_Iom3 MIN_Iom3 A 159.33 A 171.88 A 129.32 AVG_Iom4 MAX_Iom4 MIN_Iom4 MIN_Iom4

Data import from SD card to PC

STEP 1

Open the Menu

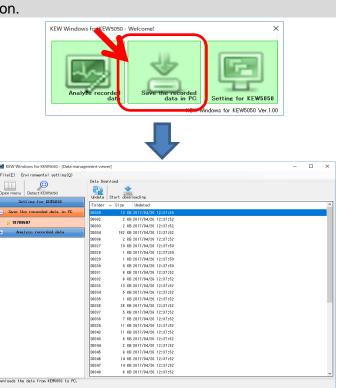
1 Click the [Open menu] icon on the "Data management viewer".



STEP 2

Show the list of data stored in SD card.

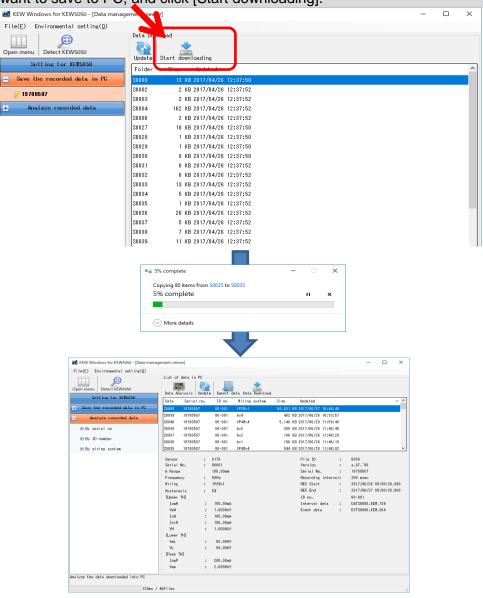
1 Click the [Save the recorded data in PC] icon.



STEP 3

Save the recorded data to PC.

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



Data import by using Card reader

STEP 1

Extract the SD card from KEW5050.

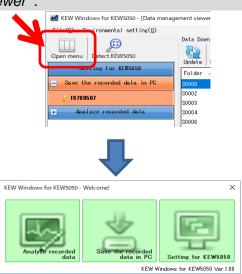
1 Extract the SD card from KEW5050.



STEP 2

Open the Menu

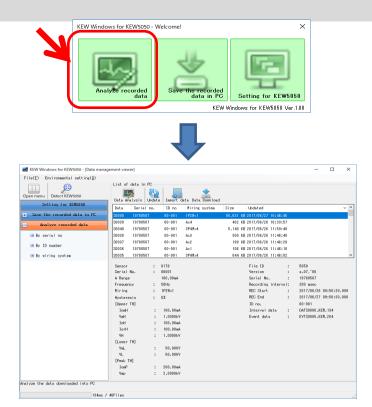
1 Click the [Open menu] icon on the "Data management viewer".



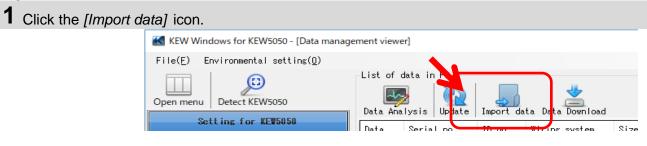
STEP 3

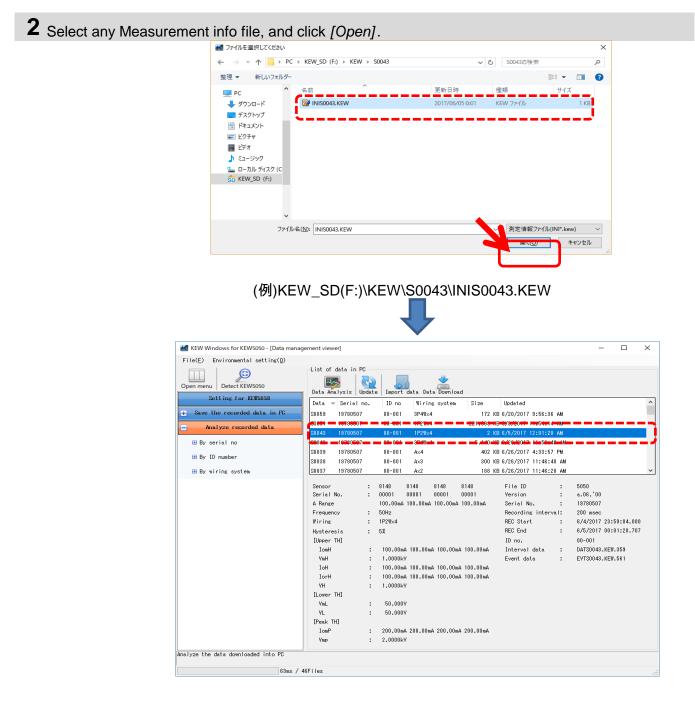
Show the list of data stored in PC.

1 Click the [Analyze recorded data] icon.



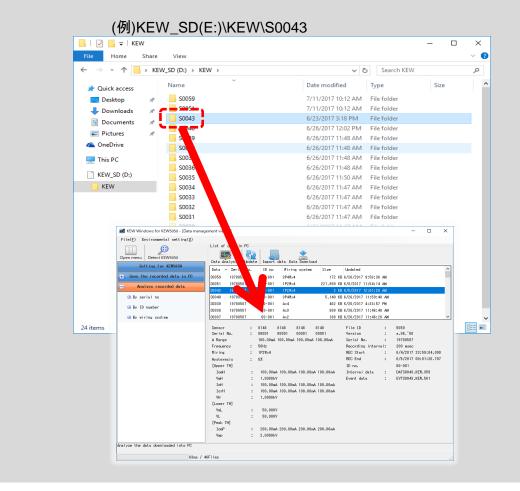
STEP 4 Import the recorded data from the SD card into PC.





*Drag & Drop Import

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

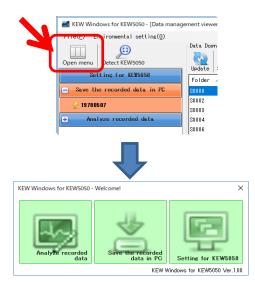


Making of KEW5050 Setting data

STEP 1

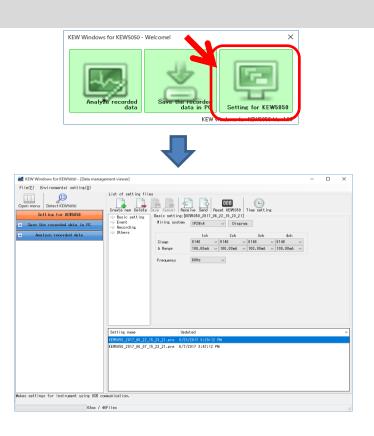
Open the Menu

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



STEP 2 Show the KEW5050 settings.

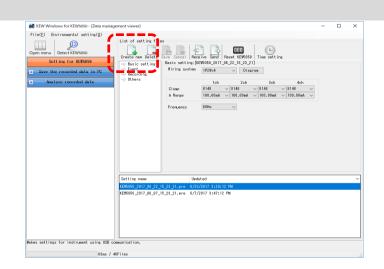
1 Click the [Setting for KEW5050] icon.



STEP 2

Create a new setting for KEW5050

1 Click the [Create new] icon.



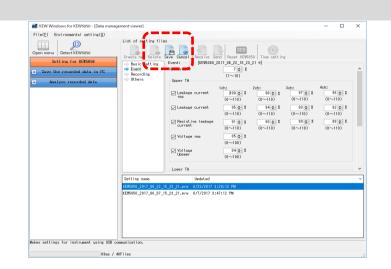
$\mathbf{2}$ Customize the settings.

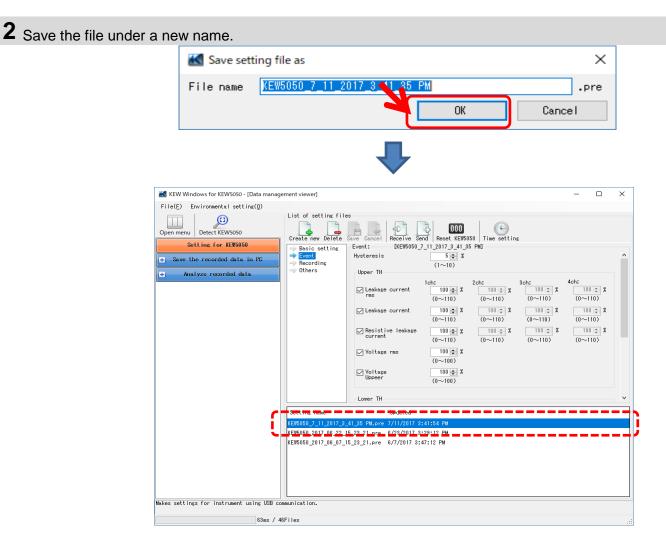
* As for the details of setting values, refer to the full version of the instruction manual for KEW5050.

STEP 3

Save the edited setting.

1 Click the [Save] icon.



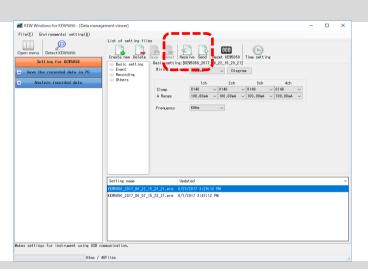


Setting data readout from KEW5050

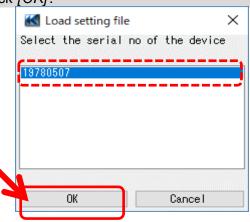
STEP 1

Readout the Setting data from KEW5050.

1 Click the [Receive] icon.

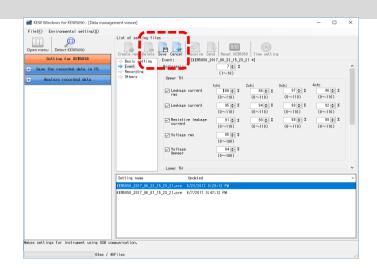


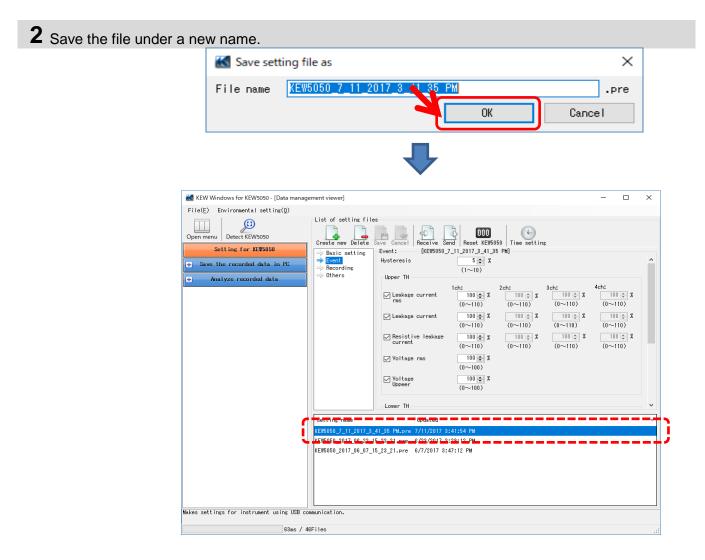
2 Select the serial no. of the connected KEW5050, and click [OK].



STEP **3** Save the received setting to PC.

1 Click the [Save] icon.



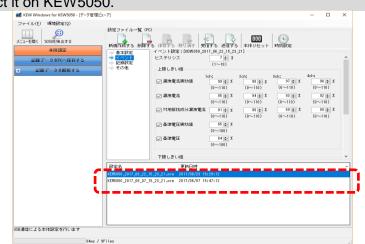


Reflecting edited setting data on KEW5050

STEP 1

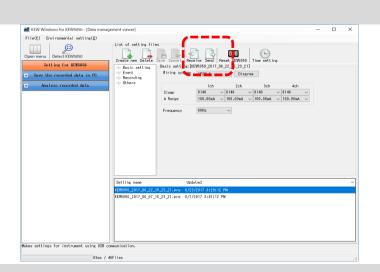
Select a desirable setting data.

1 Select the setting data you want to reflect it on KEW5050.



STEP 2 Reflect the selected setting data to KEW5050.

1 Click the [Send] icon.



2 Select the serial no. of the connected KEW5050, and click [OK].

	K Writing of setti	-
		no of the device
	19780507	
N	ОК	Cancel

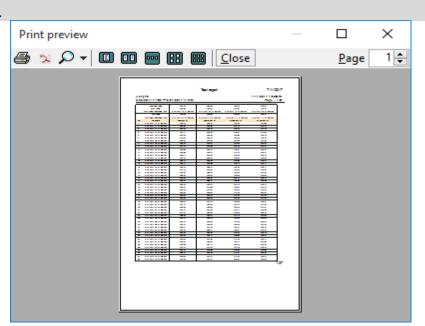
Other Functions

Exporting data in PDF format

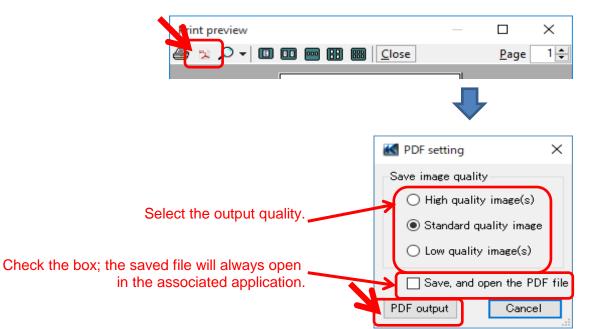
STEP 1

Opening PDF Output Window

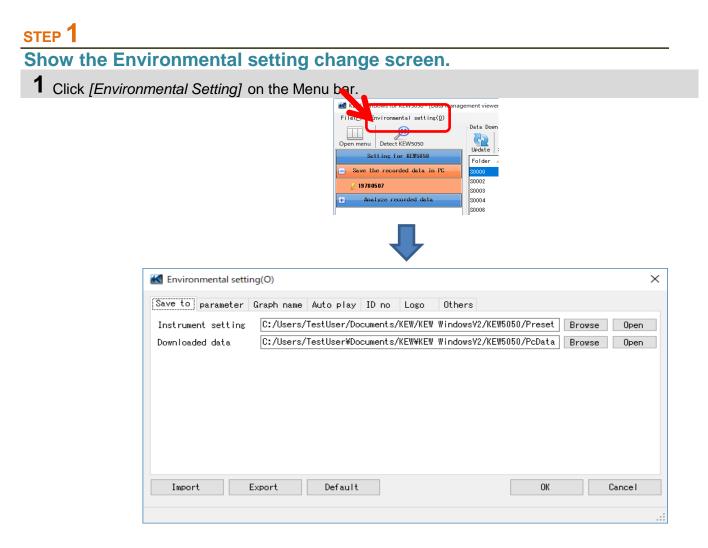
1 Open the PrintPreview window.



2 Click the PDF Output Button.



Changing the Operation setting for KEW Windows for KEW5050



STEP Change the Environmental settings. 1 Change the destination to save each data. Click on [Save to:] tab. Save to parameter Graph name Auto play ID no Logo Others C:/Users/TestUser/Documents/KEW/KEW_WindowsV2/KEW5050/Preset Instrument setting Browse Open C:/Users/TestUser¥Documents/KEW¥KEW_WindowsV2/KEW5050/PcData Downloaded data Browse Open Instrument setting: ... Destination pre-set in KEW5050 settings. ...Destination to save the data downloaded from KEW5050 to PC Downloaded data: Specify the folder to save the data. Open explorer and go to the folder to save the data.

2 Change the displayed items or Click on <i>[Parameter]</i> tab.	5 1			
ave to parameter Graph name Auto	play ID no	Logo Others		
→ All ^	Parameter	Title	Graph color	^
🖻 🔶 Instantaneous value	INS_Iom[A]	INS_Iom[A]		
⇒ Leakage current rms(⇒ Leakage current(A)	AVG_Iom[A]	AVG_Iom[A]		
	MAX_Iom[A]	MAX_Iom[A]		
	MIN_Iom[A]	MIN_Iom[A]		
→ Voltage(V) → Frequency(f[Hz])	INS_Iom1[A]	INS_Iom1[A]		
phase angle(deg)	AVG_Iom1[A]	AVG_Iom1[A]		
	MAX_Iom1[A]	MAX_Iom1[A]		
⊡→ Event (Upper)	MIN_Iom1[A]	MIN_Iom1[A]		
Upper · Leakage curre V	INS_Iom2[A]	INS_Iom2[A]		
< >>				~

Edit the item names displayed on graph. Select any colors for each item displayed on graph.

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

3	Change the graph name displayed on Time Series viewer.
	Click on [Graph name] tab.

Graph	Graph name
Leakage current rms(A)	Leakage current rms(A)
Leakage current(A)	Leakage current(A)
Resistive leakage current(A)	Resistive leakage current(A)
Voltage rms(V)	Voltage rms(V)
Voltage(V)	Voltage(V)
Frequency(Hz)	Frequency(Hz)
Phase angle(deg)	Phase angle(deg)
Insulation resistance(ohm)	Insulation resistance(ohm)
Event (Upper)	Event (Upper)

Edit graph title.

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

Ι

4 Cha	ange Auto	-play setting	gs.							
Clic	ck on [Aut	<i>play]</i> tab.								
Save to	parameter	Graph name	Auto play	ID no	Logo	Others				
Specify	the curso	r stop point	for auto pla	ay		_				
1	I.	I	ı ı				1	1	,	
						^.				
			Mo	o tha d	ouroor t	a the decir	able start	noint		
			IVIOV			o the desira	able Start	i point.		
5 Reg	gister the	D No.								
Clic	ck on [ID I	<i>lo]</i> Tab.								
Save to	Darameter	Graph name	Auto play	ID no	Loso	Others				
0470 00	00	001	OX Building		20,0	ochors				
	00	001	OX Building					Add		
								Edit (E)		
								Delete		

Add/ adit/ dalata ID numbers

Add/ edit/ delete ID numbers.			
🖶 Location info editing	_		\times
-	OK	Cance	

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

Open menu Detect KEW5050	Data Analysis Up
Setting for KEW5050	ID no Data
+ Save the recorded data in PC	00-001 80059
Analyze recorded data	00-001 S0051
	00-001 S0043
🔁 By serial no	00-001 S0040
🖃 By ID number	00-001 S0039
	00-001 S0038
■00-001 :(OX Building F1)	00-001 S0037
🗄 By wiring system	Sensor Serial No.

6 Add logos to be displayed. Click on <i>[Logo]</i> tab.
Save to parameter Graph name Auto play ID D Logo Others
Select the logo to be printed on List/ Report
Header Footer
Add logos to be displayed and printed with a list or report. Select an area (for Header or Footer) and add logo data (image file). Click the added logo to delete it.
Print image
Mex value 77.858m 77.854m 77.858m 77.858m Max value 6/20/2017 09:56:34.400 6/20/2017 09:56:28.400 6/20/2017 09:56:28.000 6/20/2017 09:56:28.000
7 Other setting items
Click on [Others] tab.
Save to parameter Graph name Auto play ID no Loso Others
Display Control Item Number Of Digits Real number ~ List Number Format 5-digit ~
Change the numerical display form. If you prefer Real number display,

specify the number of digits.

Trouble-shooting

* KEW5050 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 KEW5050 is not displayed after trying above procedure, USB driver may not be recognized properly. Follow the procedure below and reinstall the driver.

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

Please refer to the Installation manual for further details.

⁶ Communication between KEW Windows for KEW5050 and KEW5050 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 KEW5050". Then disconnect and reconnect the USB, and click "Detect KEW5050". Check that the serial no. of the connected KEW5050 is displayed under "Data download".

* Downloading time

Downloading time will be longer when file size becomes bigger. It is recommended to use SD card to copy big data to PC. USB transfer rate : approx. 40min. for transferring data of 1.5GB