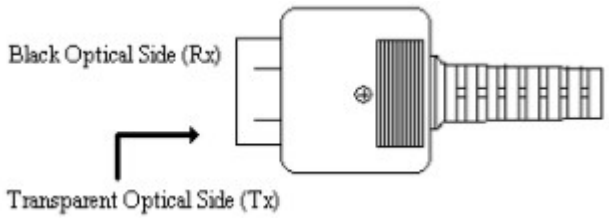
Instruction Manual

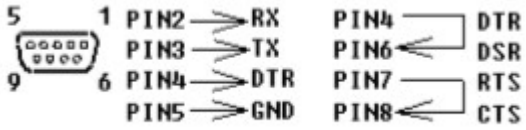
● RS232 Wiring Hardware

PC Interface Cable Meter side of PC Interface Cable The RS-232 “Optical” plug side of the PC Interface Cable connects to the meter’s RS-232 “Optical” jack. Refer to the diagram below for wiring information.



Computer’s Serial Port side of Interface Cable

The RS-232 “DB-9” side of the PC Interface Cable connects to the PC’s COM port. Refer to the diagram below for wiring information. Note that a SERIAL to USB Adapter may be used.



RS232 Default Settings When RS-232 communication enabled ,the default RS-232 settings are

Baud Rate 19200

Parity None

Data bits 8

Stop bit 1

● HARDWARE REQUIREMENTS AND SETUP

PC HardWare Requirements :

HDD, CD Rom, 486 PC or above, with an available COM port

EGA or higher monitor

4M bytes or more memorysize

PC HardWare Setup :

1) Switch off all power related to the PC

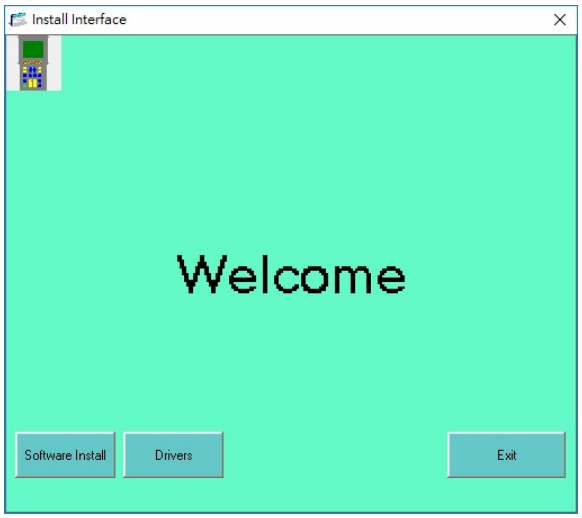
2) Connect the DB9 (female) end of the supplied RS-232 cable to available COM port

3) Switch on all related power

4) Connect the fiber end of the supplied RS-232 cable to the meter

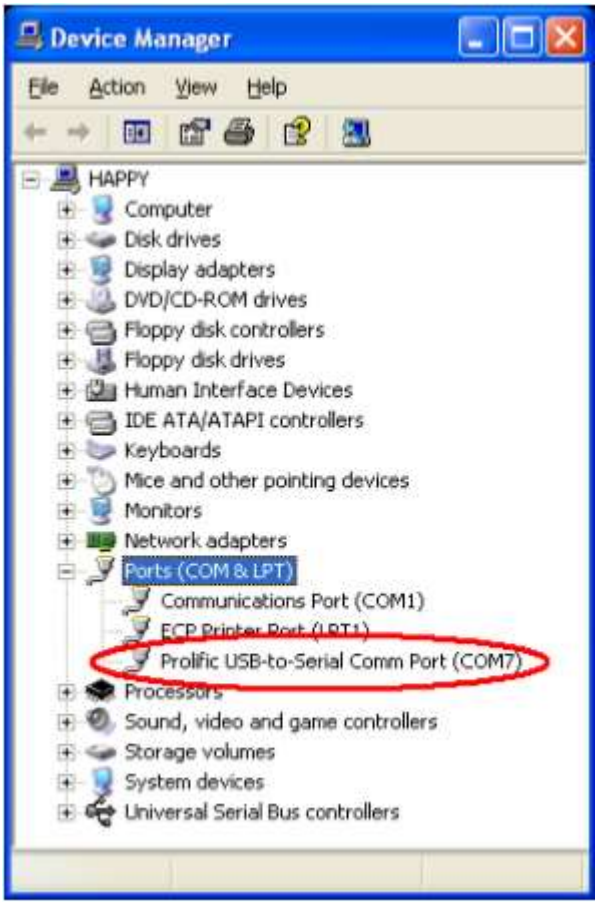
Software Requirements and Setup

1) Start up windows 98//XP//7//8//10 operating system
2) Close all other application
3) Insert disk in CD drive



4) To install USB driver, click 

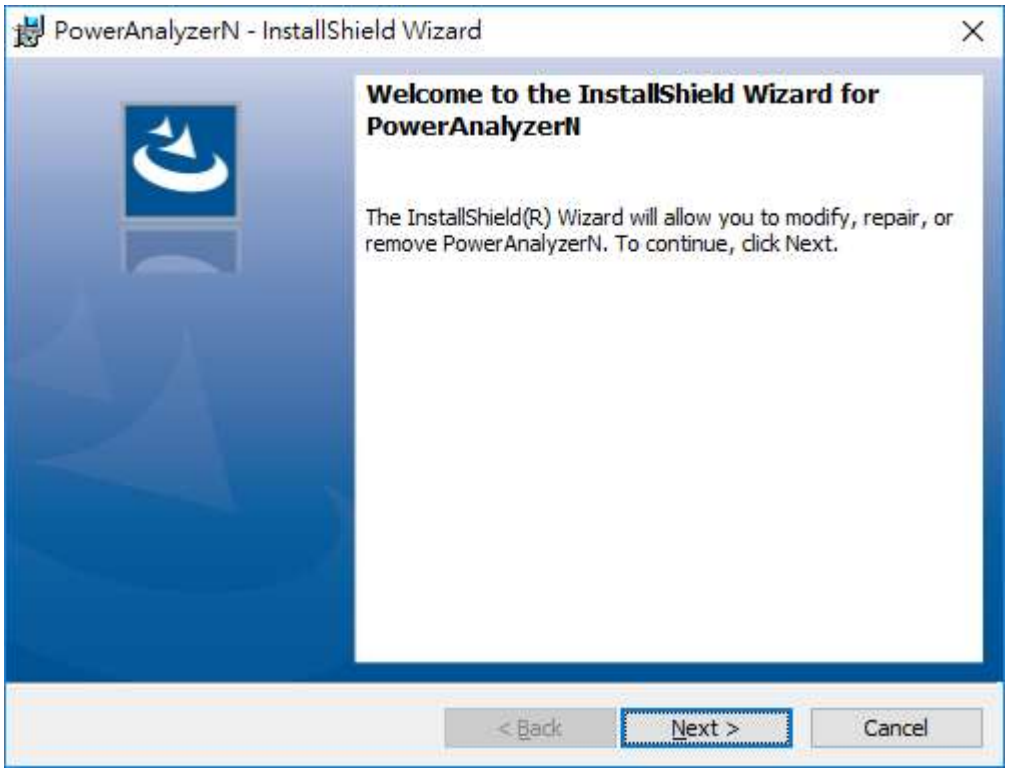
.



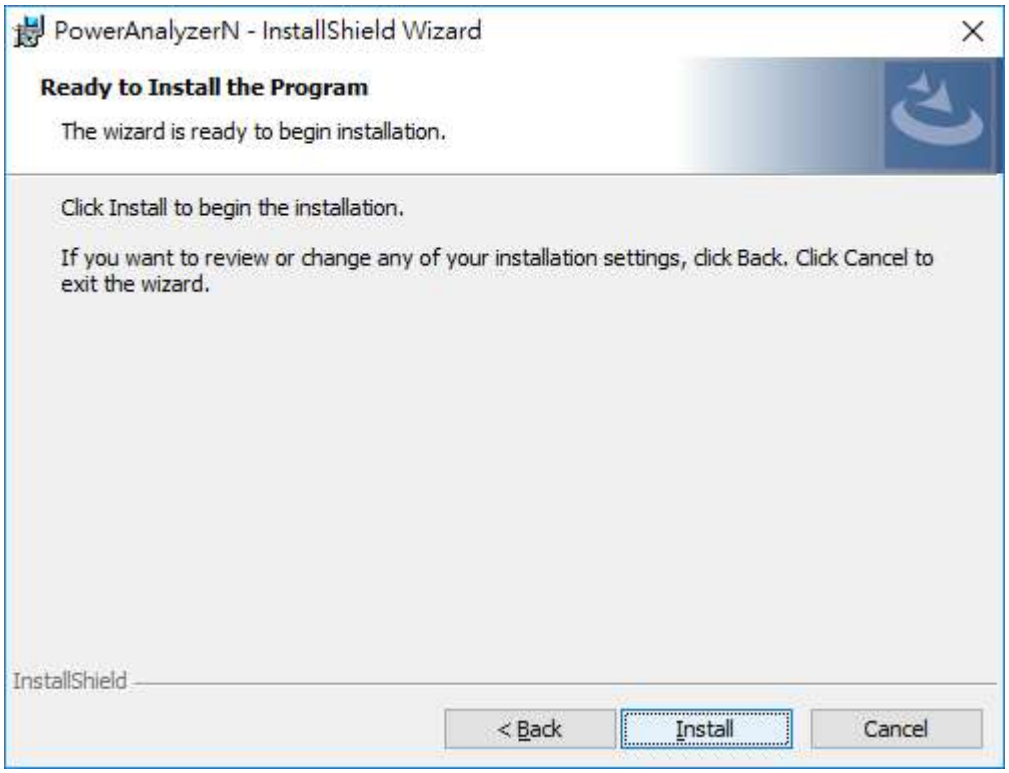
5) To install meter software, Click 

. Setup program will run automatically.

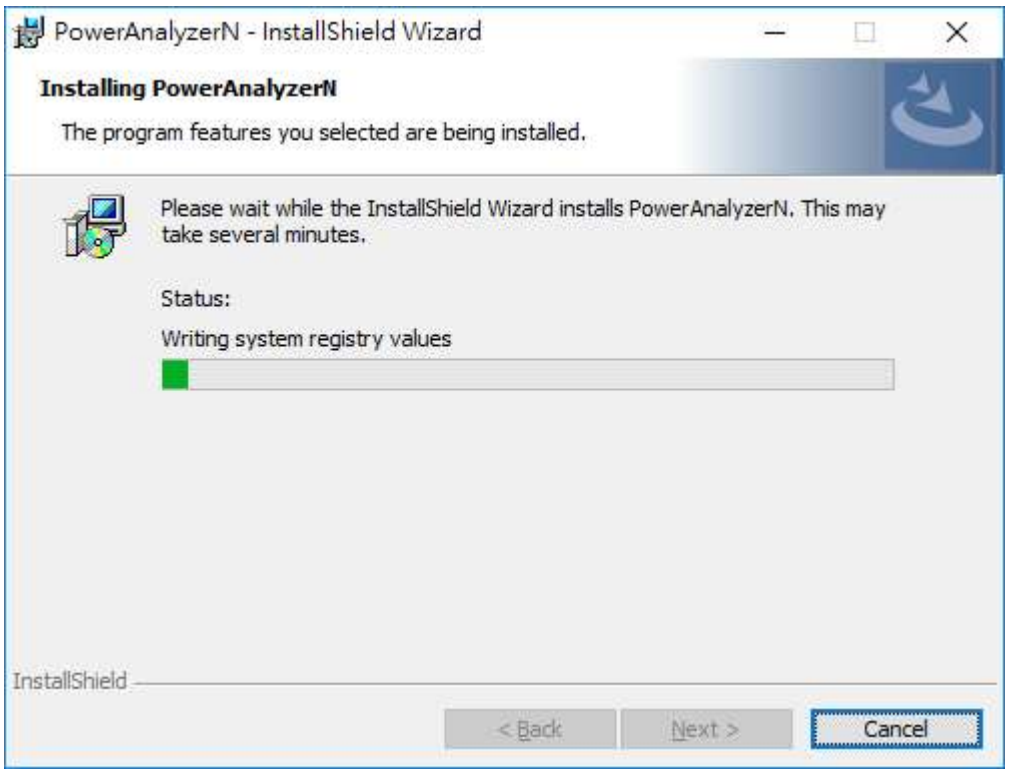
1. 

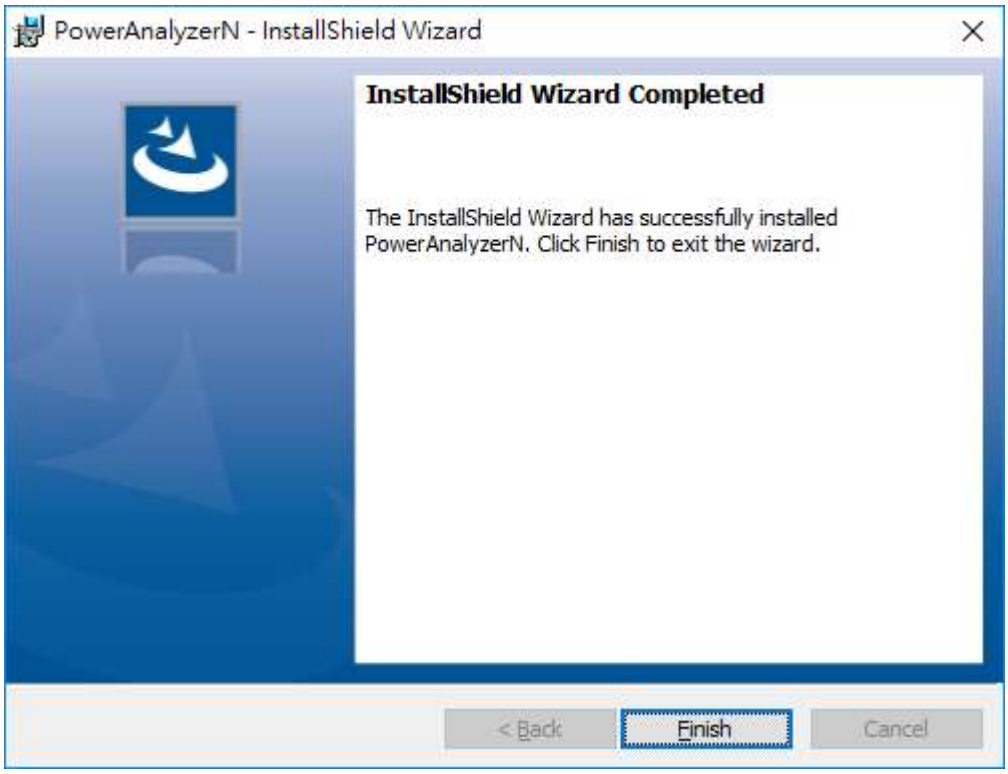
2. 

Click “Next”

3. 

Click “Install”

4. 

5. 

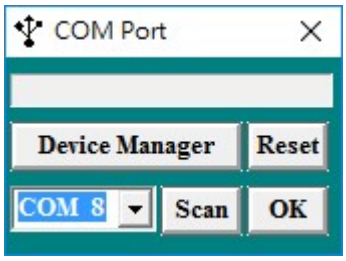
Click “Finish”

● Communication Operation

Run the software

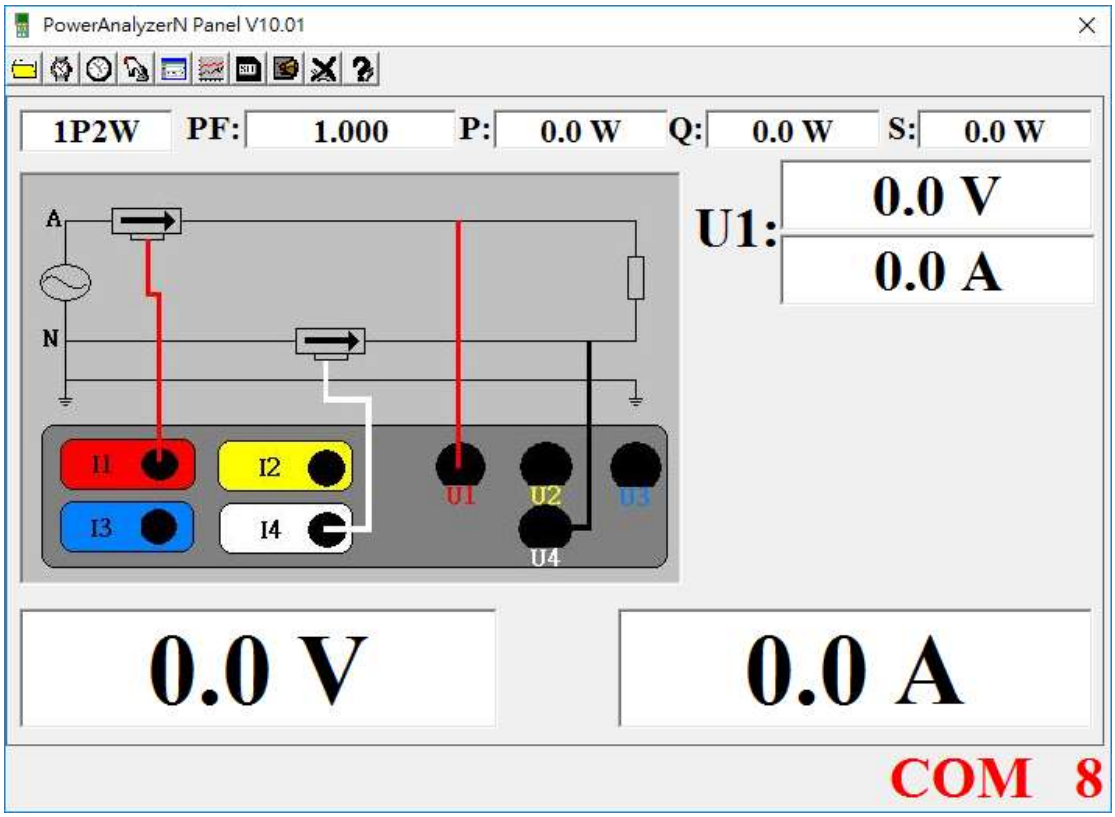
1. Click 

icon.



Select as available COM Port then click OK

2. Main software screen



● Data Record

Save to H.D.D.

Click  button. The dialog box shown below will appear.

Input a file name and then Click  to begin saving data to the file just named.

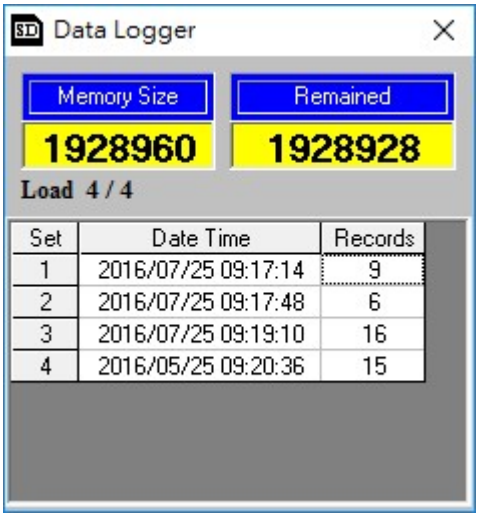
Download data

Click  button. The Open window, shown below, appears.

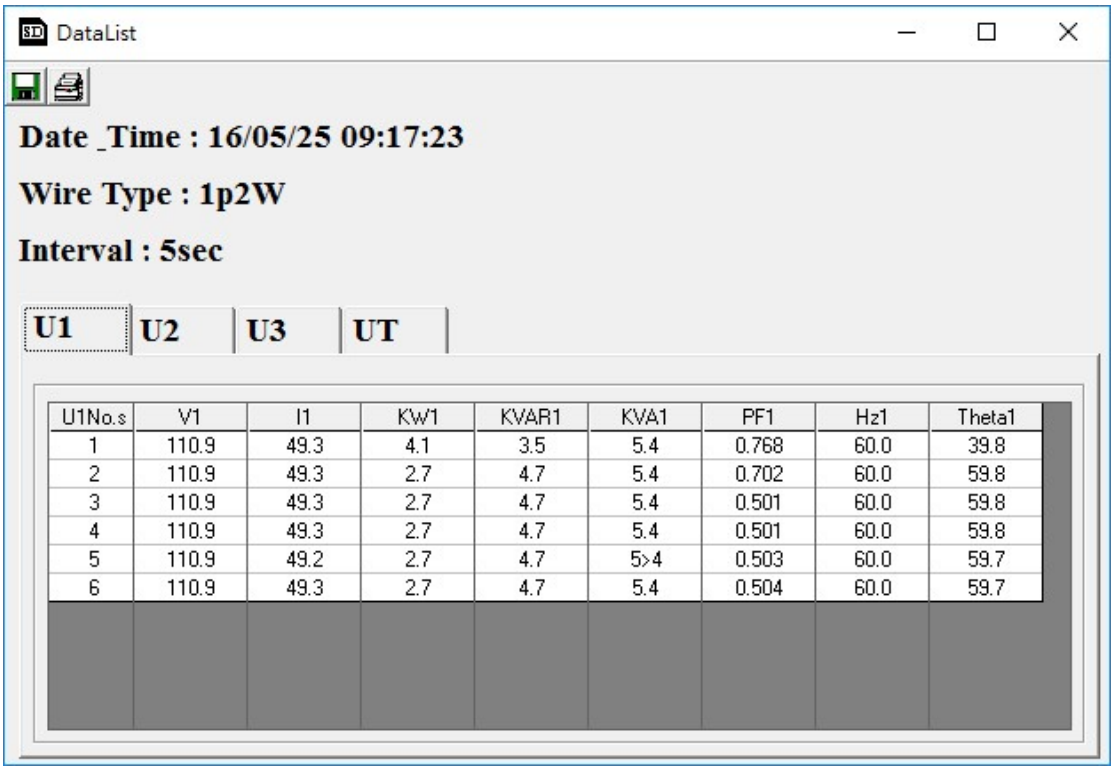
Input the file that was selected earlier and the click  to read.

SD Card

Click  button. The Data Logger window, shown below, will open.



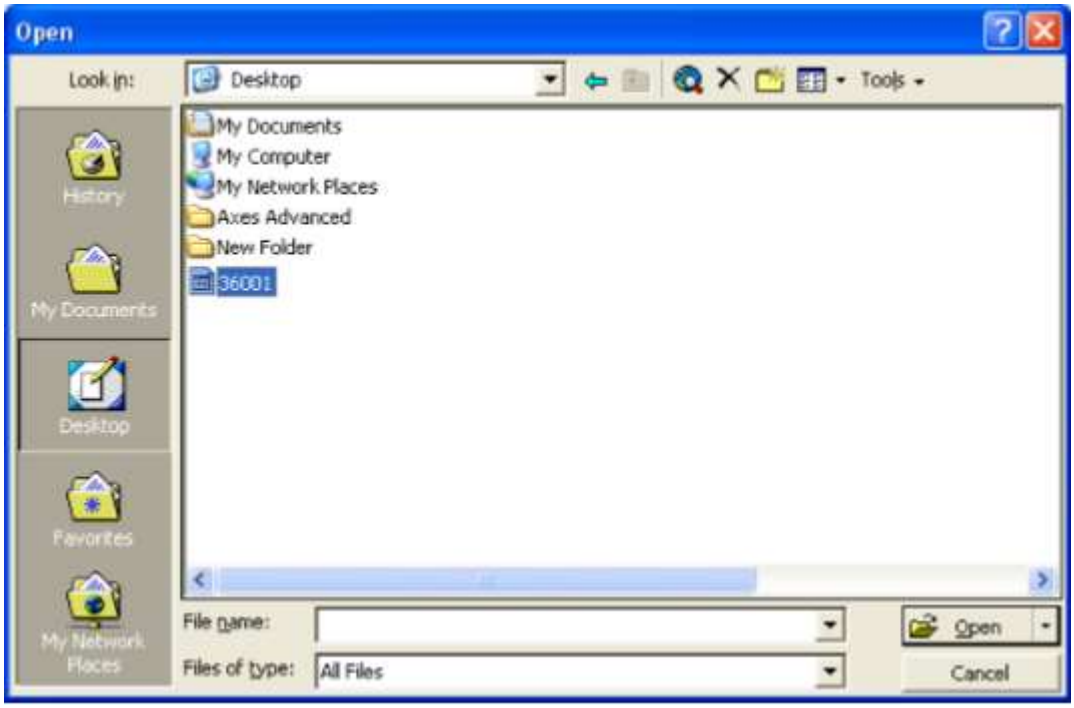
Click on a SET number to view the set's details. For example, in the window above, there are 2 sets from which to choose. The list below is an example of an opened set.



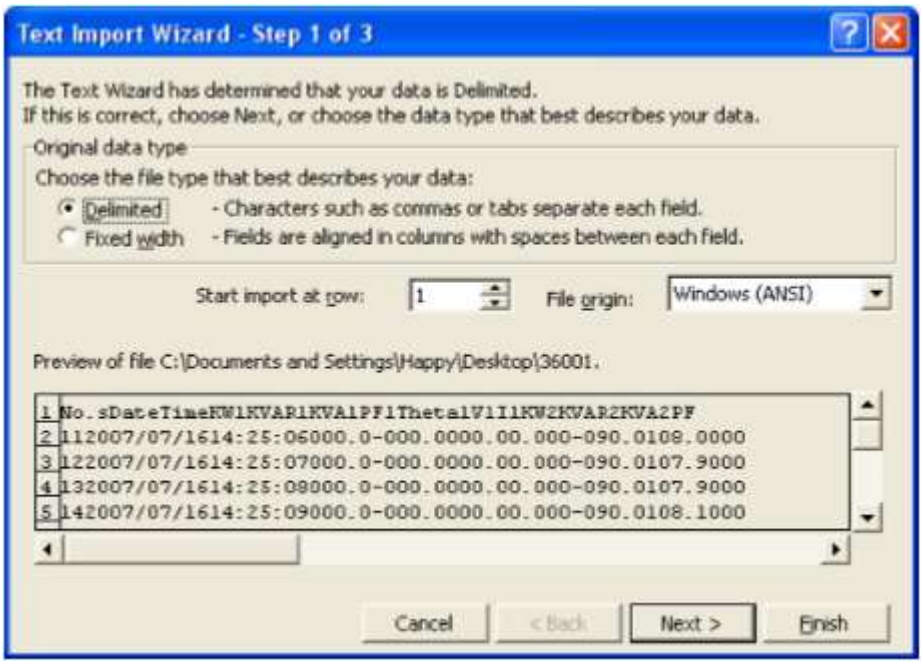
● Data Convert

Apply for Excel

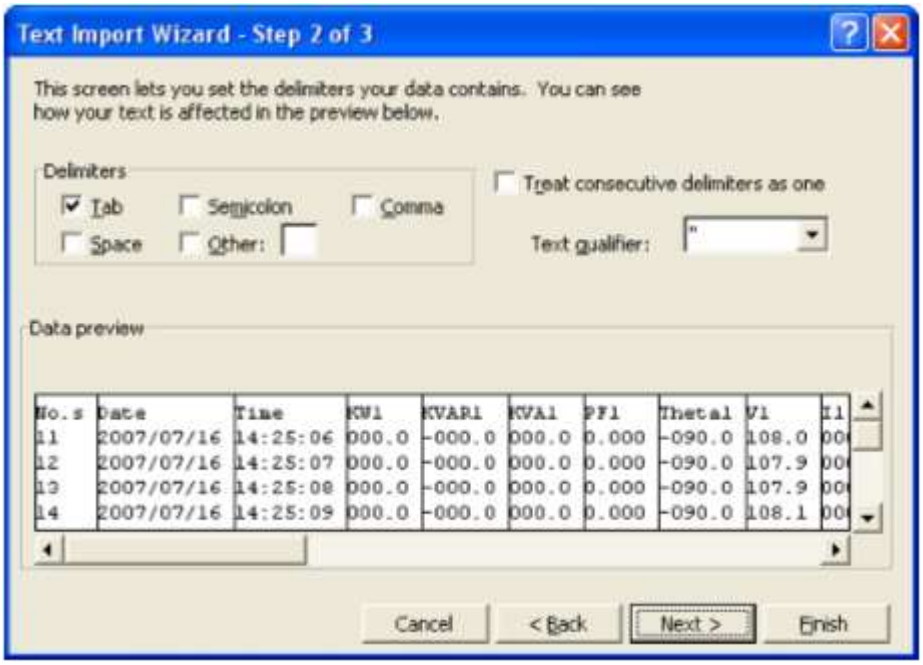
Open Microsoft Excel, find the file saved, for example3600N.pan



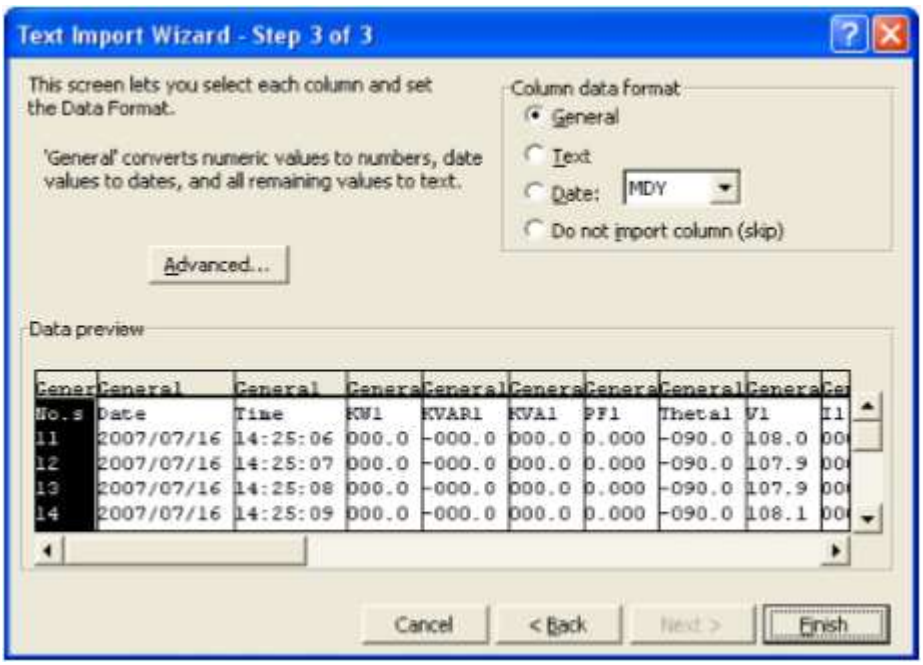
The “Text Import Wizard” then appears. Follow on-scree instructions.



Click 

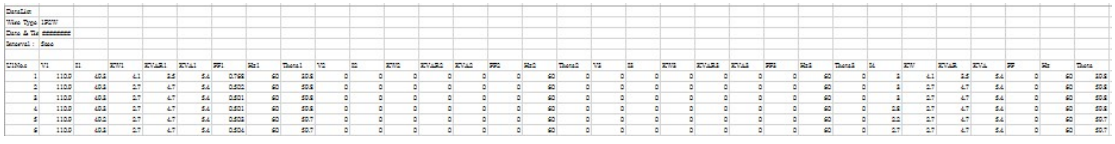


Click 



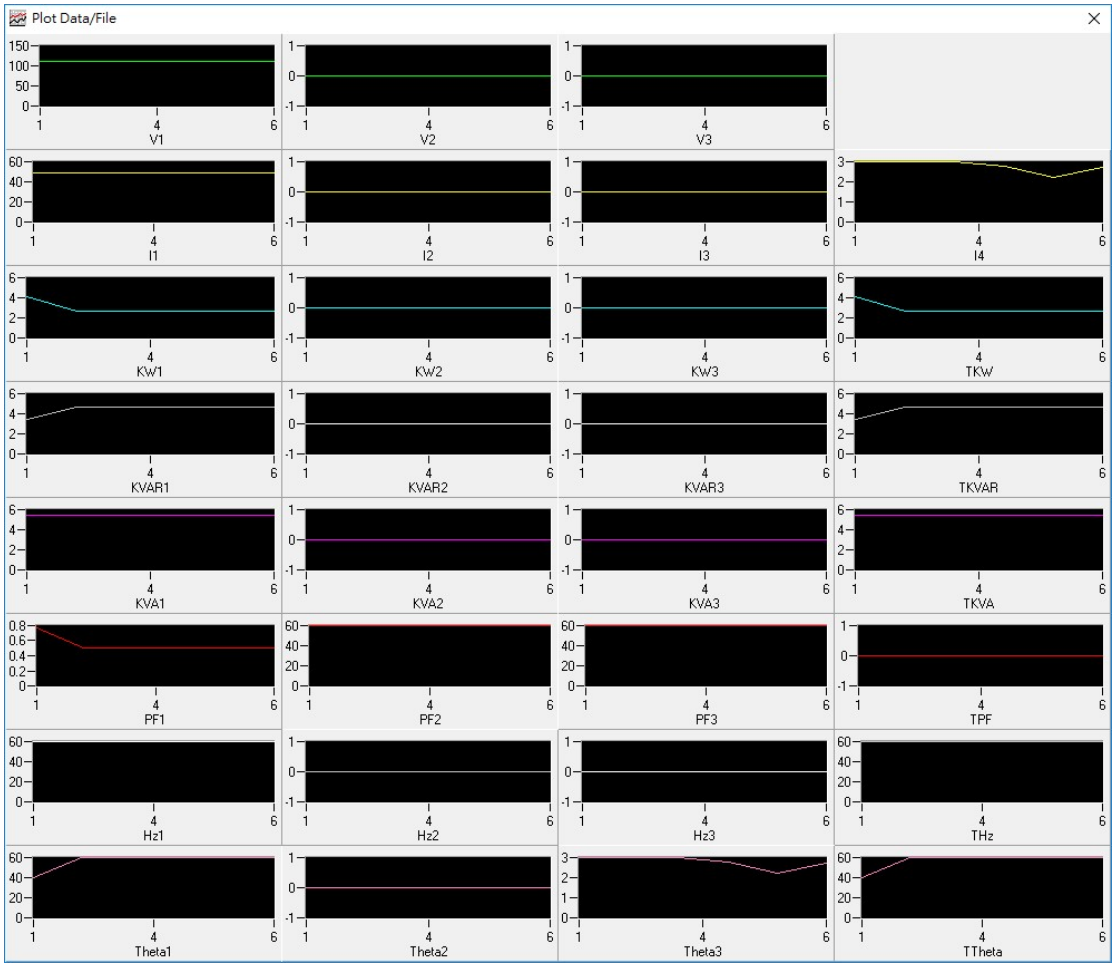
Click 

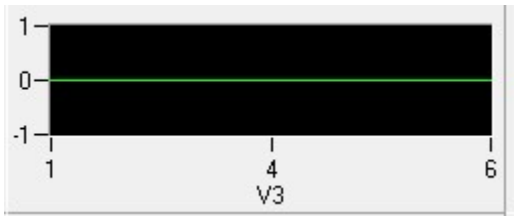
to complete.

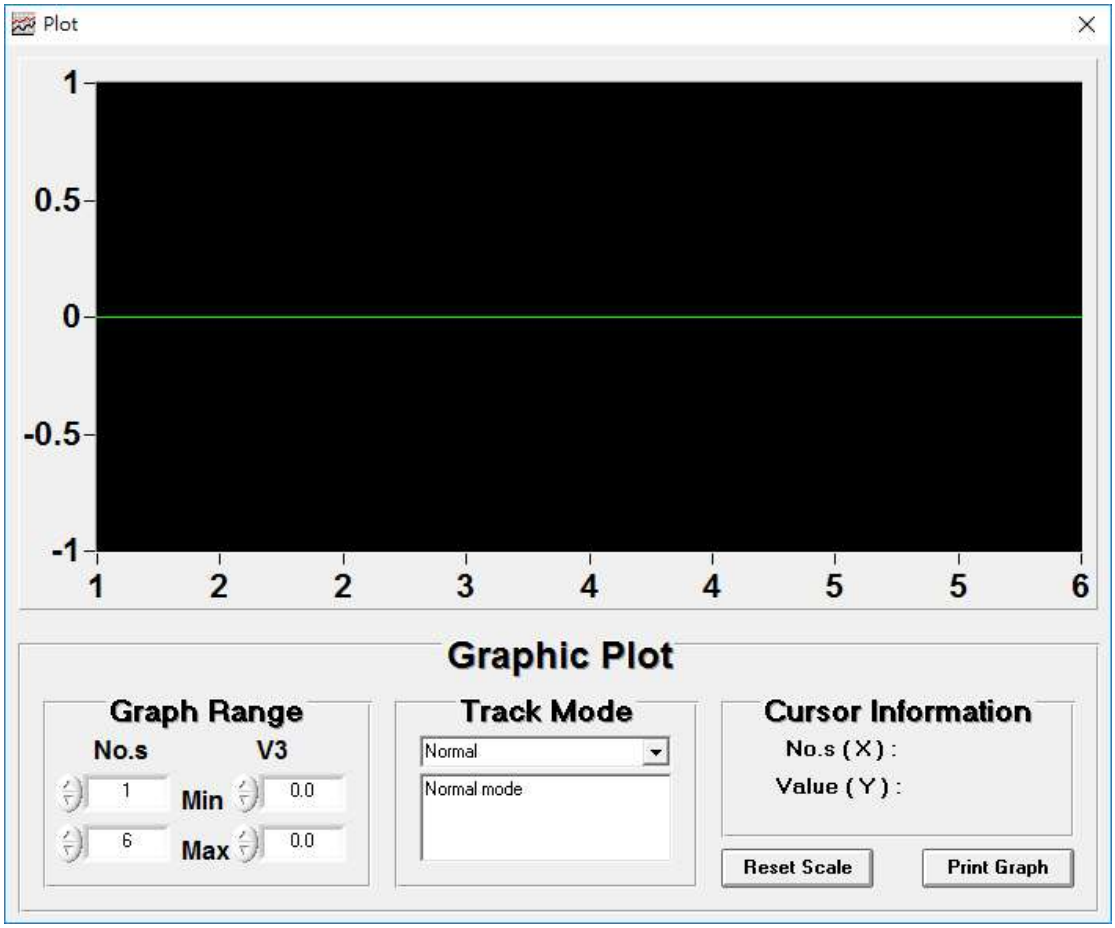


● Apply for Graph

Open a saved data file in the software program and then click  .



Click  graphic.

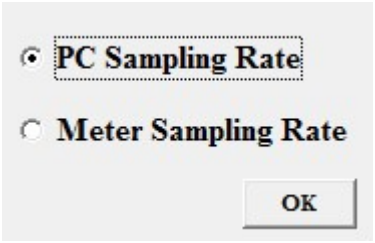

Plot
1
0.5
0
-0.5
-1
1
2
2
3
4
4
5
5
6
Graphic Plot
Graph Range
No.s
V3
1
Min
0.0
6
Max
0.0
Track Mode
Normal
Normal mode
Cursor Information
No.s (X) :
Value (Y) :
Reset Scale
Print Graph

● Sampling Time

PC Sampling Rate:

(rate at which the PC collects readings while connected to the meter)

Click  on the Menu Bar.

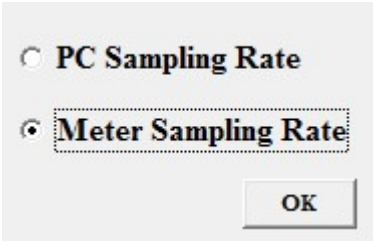


Click  button.

Click  button.

Meter Sampling Rate:

Click  on the Menu Bar.

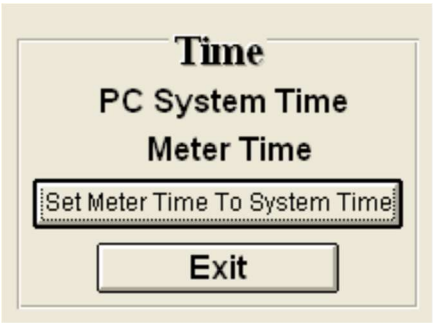


Click  button.

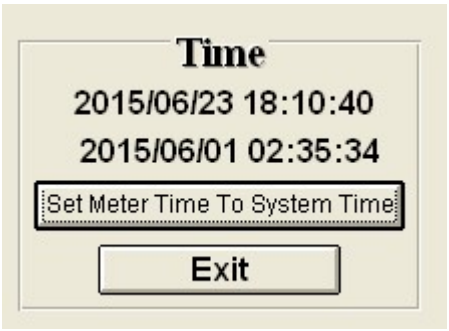
Click  button.

RTC (Real Time Clock)

Click  on the **Menu Bar** to set the meter time to PC system time.



Click PC System Time: to show PC System Time or Meter Time to show Meter Time.



Click  to set the meter time to PC system time.

● Single Record

Click  button, On Menu Bar.

Single Record

Print

Wire Type: 1P2w

Date Time : 16/05/25 09:16:11

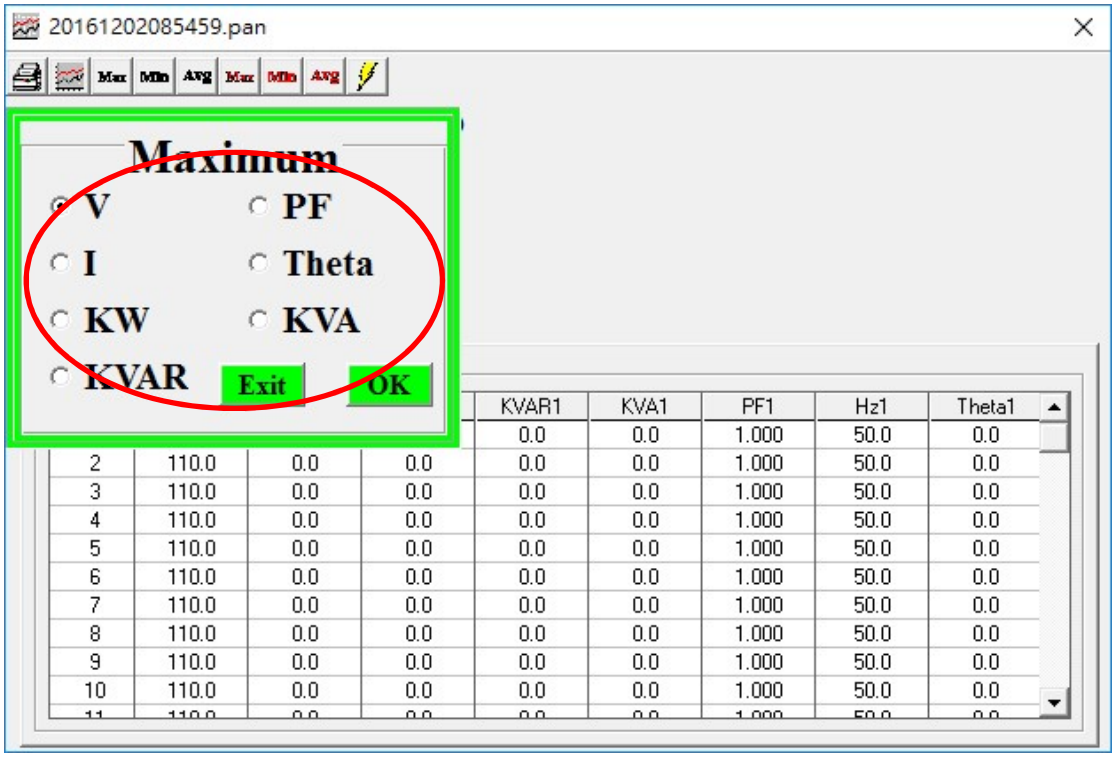
1	U1	U2	U3	I4
Electric Current	49.3	0.0	0.0	2.7
Voltage	110.9	0.0	0.0	Total
P	2.7	0.0	0.0	2.7
Q	4.7	0.0	0.0	4.7
S	5.4	0.0	0.0	5.4
PF	0.503	0.000	0.000	0.000
Hz	60.0	60.0	60.0	60>0
Theta	79.7	0.0	0.0	59.7

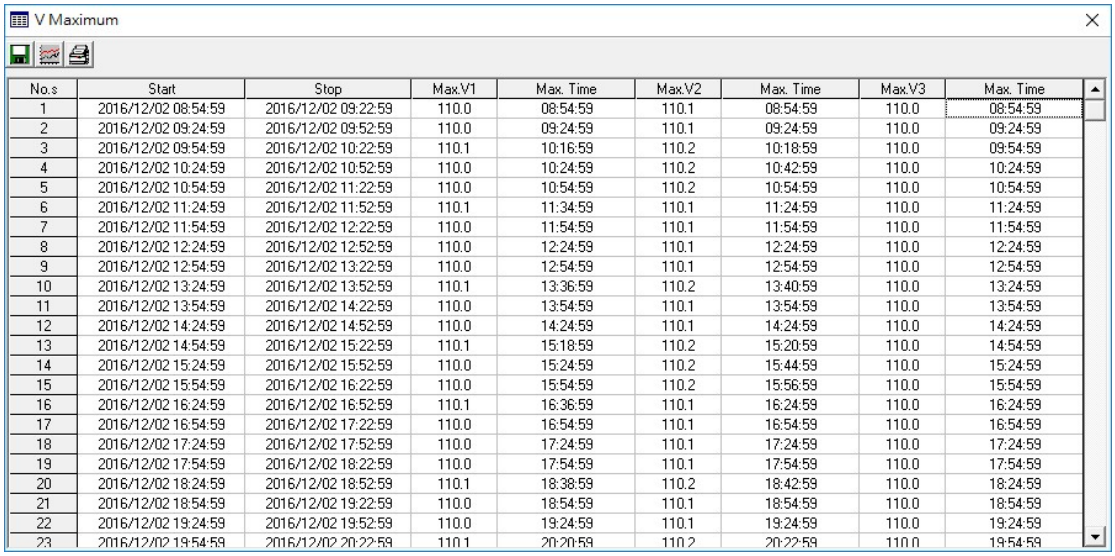
Click 

button. Print form page.

- **30-minutes Maximum / Minimum / Average**

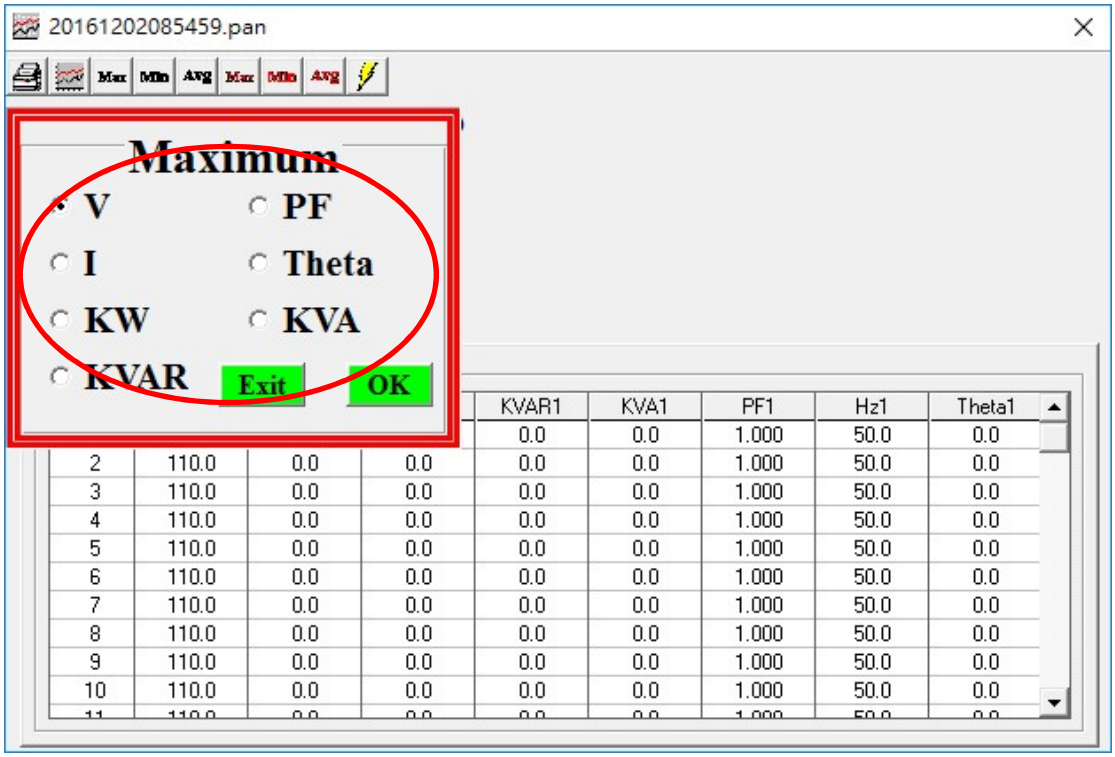
Open a saved file and then click the button (red circle) to confirm.

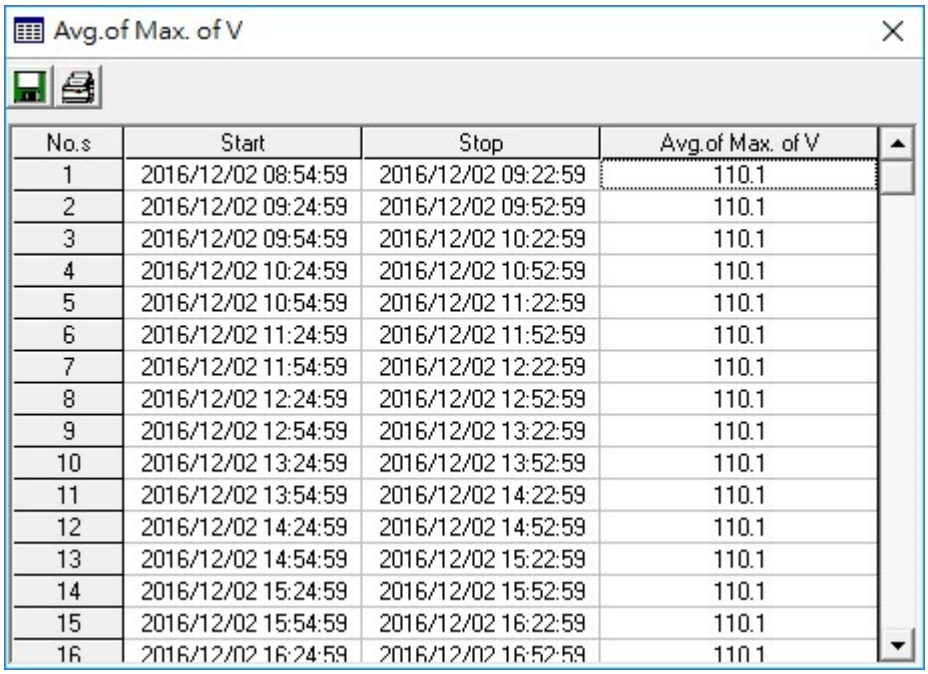




● 30-minutes Average of Maximum / Minimum / Average

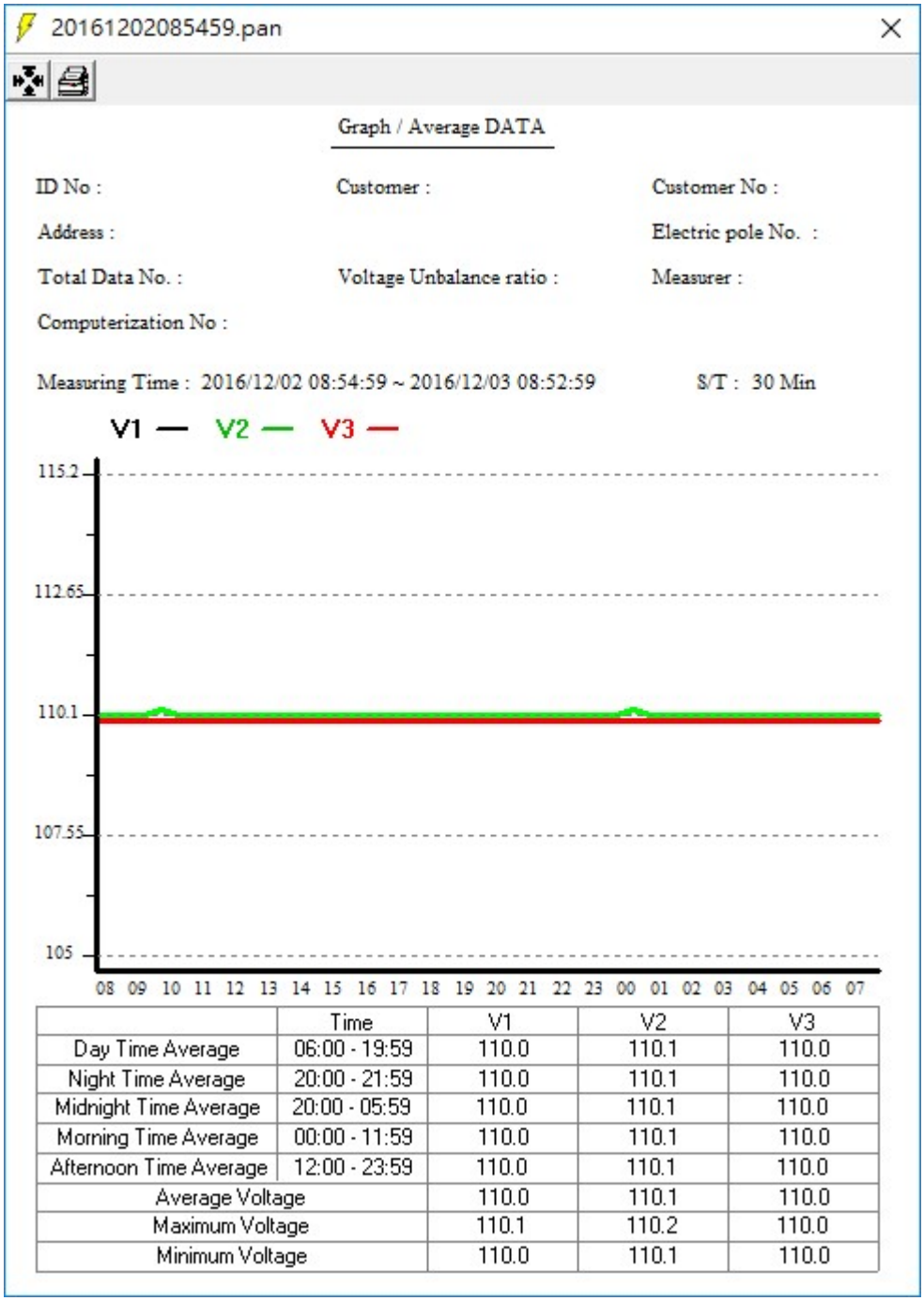
Open a saved file and then click the button (red circle) to confirm.





● 24-hours Voltage Analysis

Open a saved file and then click the button (red circle) to confirm



	Time	V1	V2	V3
Day Time Average	06:00 - 19:59	110.0	110.1	110.0
Night Time Average	20:00 - 21:59	110.0	110.1	110.0
Midnight Time Average	20:00 - 05:59	110.0	110.1	110.0
Morning Time Average	00:00 - 11:59	110.0	110.1	110.0
Afternoon Time Average	12:00 - 23:59	110.0	110.1	110.0
Average Voltage		110.0	110.1	110.0
Maximum Voltage		110.1	110.2	110.0
Minimum Voltage		110.0	110.1	110.0