



KANOMAX

ANEMOMASTER MODEL 6036

**Data Acquisition Software (6036-41)
PC-LINK Software (6036-45)**

Operation Manual

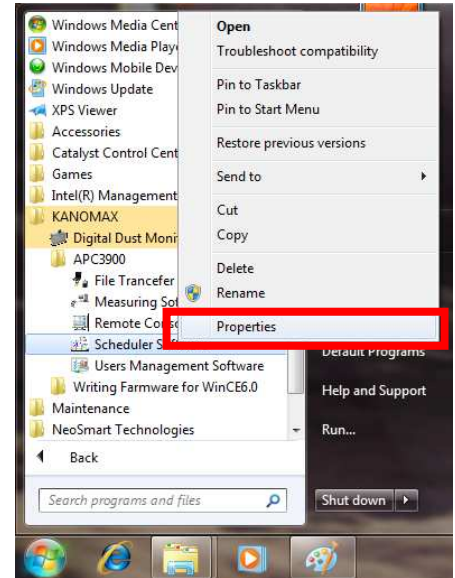
02001

1901

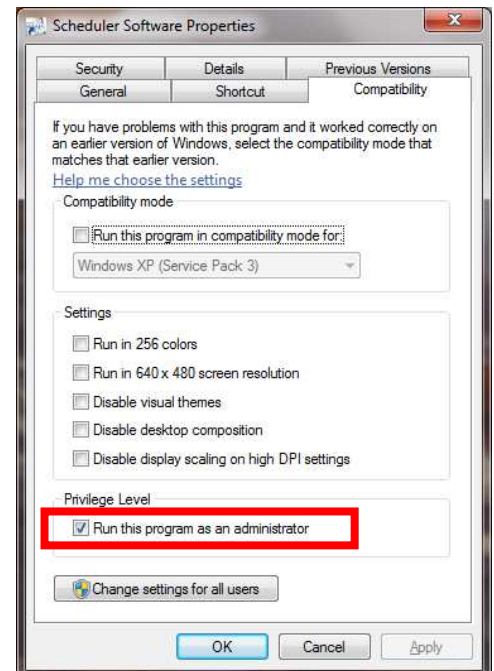
Precautions When Using Kanomax Software Products in Windows 7 or 8/8.1 or 10

1. Setting icon of the software :

1. Click [Start] -> [ALL Programs] -> [KANOMAX] or right-click the desktop icon of the software.
2. Right-click the icon of the software and click [Properties], or click [Properties] of the desktop icon.



3. Click the [Compatibility] tab in the Software Properties window.
4. Check “Run this program as an administrator” under Privilege Level.
5. Click [OK] to close the window.



Note: If you do not follow the above procedure, the software may abort with a runtime error when reading or printing data.

2. For Stored data:

Stored data may not appear in Windows Explorer if it was saved in the C:\¥ folder or one of the folders in Program Files (Program Files(x86) for 64 bit).

Click “Compatibility files” in Windows Explorer to display the data.

If you cannot perform this operation, or “Compatibility files” does not appear, you need to save the data in a folder such as “My Documents” which users can read and write to.

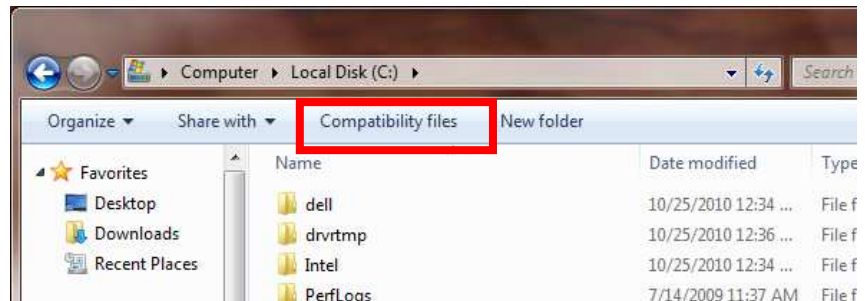


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1. Overview

1.1 System Overview

Data Acquisition Software (6036-41) for ANEMOMASTER MODEL 6036 is used to remotely control the Anemomaster while directly connected to a computer. Real time data is displayed on screen and the collected data can be stored in either “.csv” or “.txt” format”.

Note: Stored files cannot be opened and viewed using the Data Acquisition Software. They can be viewed using a compatible program such as MS Excel for “.csv” format or MS Word for “.txt” format.

PC-LINK Software (6036-42) for ANEMOMASTER MODEL 6036 is used to download stored measurements from the Anemomaster to a computer. These downloaded measurement files are stored in “.csv” format and can be viewed using a compatible program such as MS Excel.

1.2 Software Operating Requirements

OS:

Microsoft Windows 7 SP1 or higher
Microsoft Windows 8/8.1
Microsoft Windows 10

Communication:

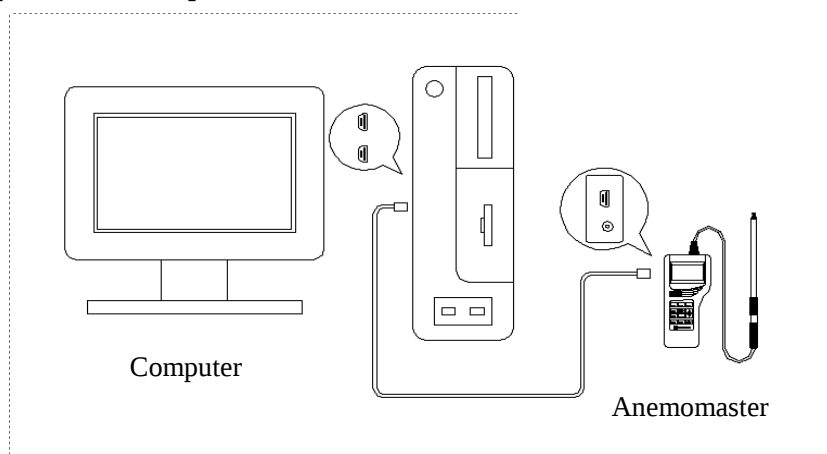
USB Port: 1Port

NOTE:

1. Any unauthorized duplication of the product, in whole or in part, without consent from KANOMAX JAPAN INC. is strictly prohibited.
2. Supplied software is intended for installation on a single computer only.
3. Contents of the Operation Manual are subject to change without notice.

1.3 Hardware Connection

[Computer with USB port]



2. Software Installation

When installing the software, be sure to log in with the user having administrative rights and follow the procedure below.

- 1) Before installing the software, close any running programs.

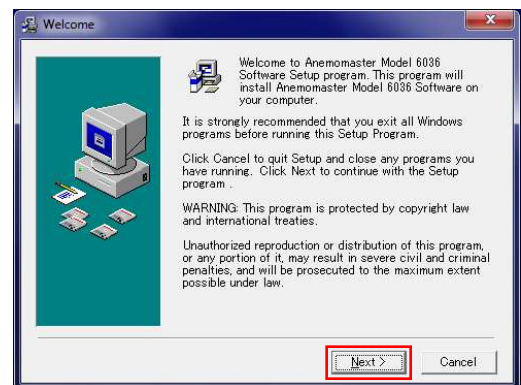
[NOTE]

If a previous version of this software is already installed on the computer, it must be uninstalled prior to installing the new version.

- 2) Insert the CD-ROM into the computer. Then double-click the "Setup.exe".

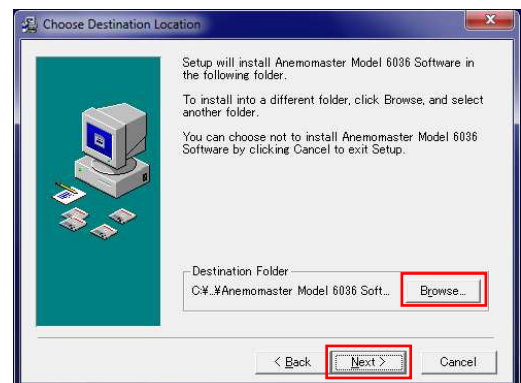
- 3) The "User Account Control" dialogue will pop up. Click "Yes".

- 4) Welcome screen is displayed. To start the setup program, click "Next".

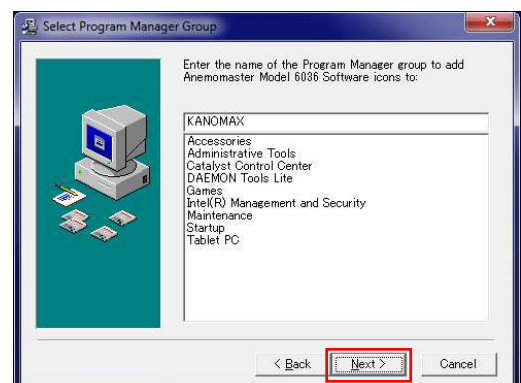


- 5) You can select what folder to install the software. The default directory is "c:\program files\Anemomaster Model 6036 Software".

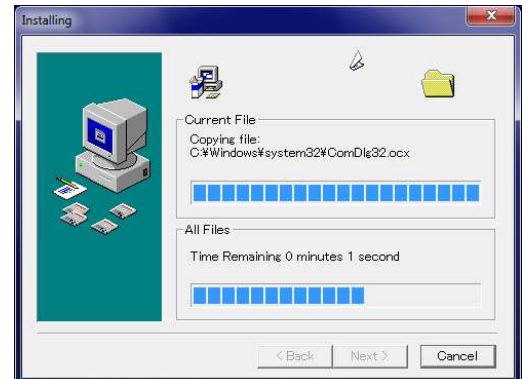
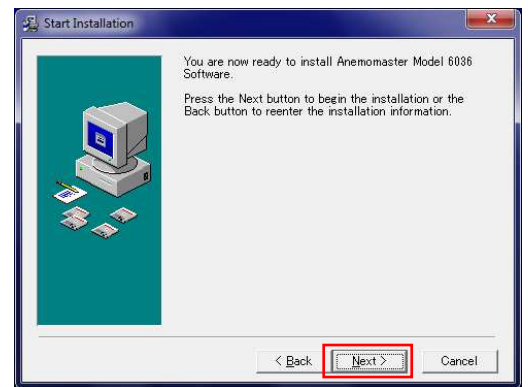
To change the installation folder, click "Browse..." button and select the folder where the files will be installed. After entering the folder name, click "Next".



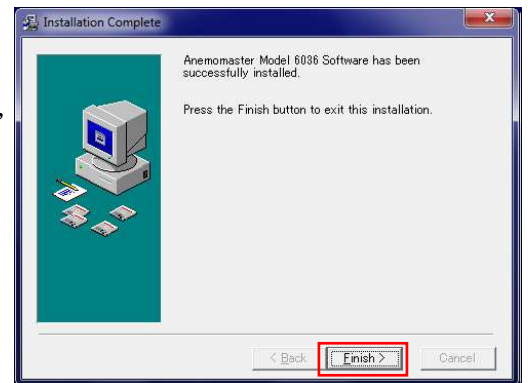
- 6) Type a group name to register in the Start Menu. After entering the group name, click "Next".



- 7) You are now ready to install the software.
Click "Next" to start installation.



- 8) When the installation is complete as shown in the right figure, click "Finish".



3. Installing Device Driver

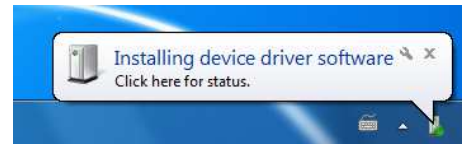
3.1 Device Driver Installation

When installing the software, be sure to log in with the user having administrative rights and follow the procedure below.

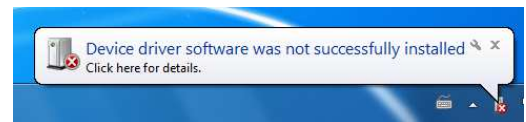
When you connect the **ANEMOMASTER MODEL 6036**, “Found New Hardware Wizard” window will be displayed. Install the device driver following the procedure below. To install the device driver, be sure to insert the product CD-ROM into the CD-ROM driver.

3.1.1 Windows 7,8/8.1,10

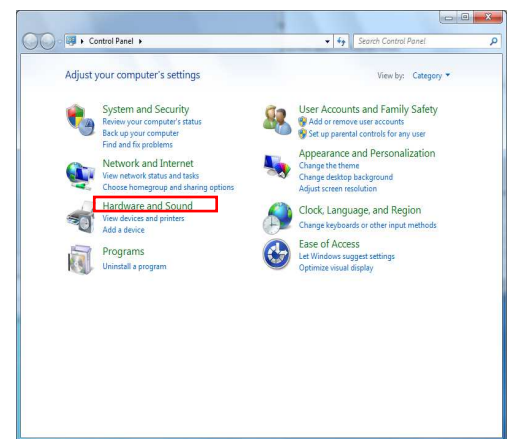
- 1) Please wait while “Installing device driver software” message is being displayed in the lower right of the screen.



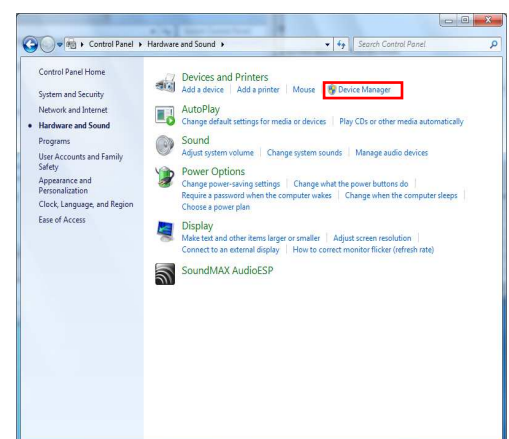
- 2) In a short time, “Device driver software was not successfully installed” message will appear.



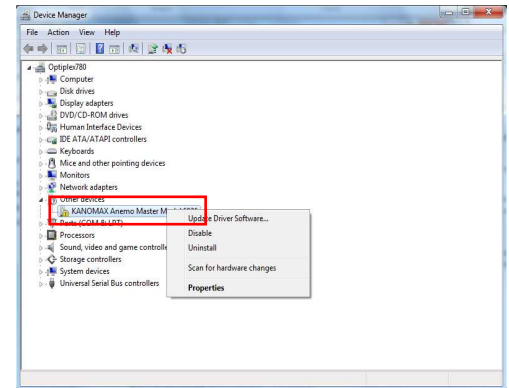
- 3) Click “Start” → “Control Panel” → “Hardware and Sound”.



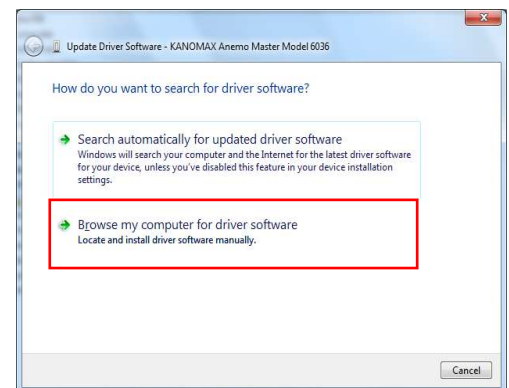
- 4) Click “Device Manager”.



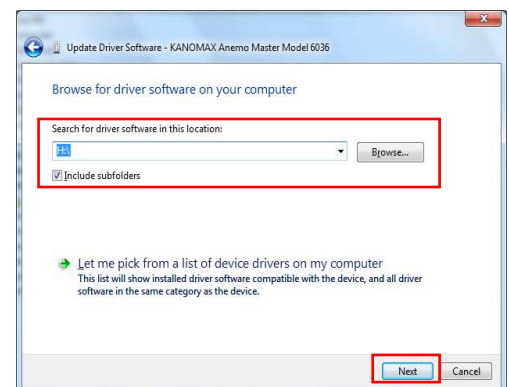
- 5) After opening the Device Manager window, confirm that “KANOMAX Anemo Master Model 6036” or “Silicon Labs CP210x USB to UART Bridge” is listed in “Other Device” and right-click it. Highlight and click on “Update Driver Software” in the menu.



- 6) Click “Browse my computer for driver software”.



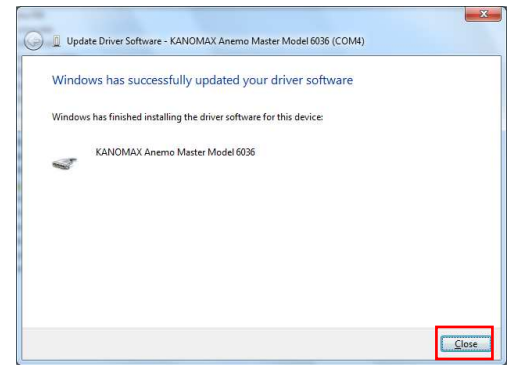
- 7) Type the name of the CD-ROM drive in “Search for driver software in this location:” box and click “Next”.



- 8) In the resulting “Windows Security” dialogue, click “Install this driver software anyway” to start the installation of the driver software.



- 9) When the installation is complete as shown in the right figure, click “Close”.

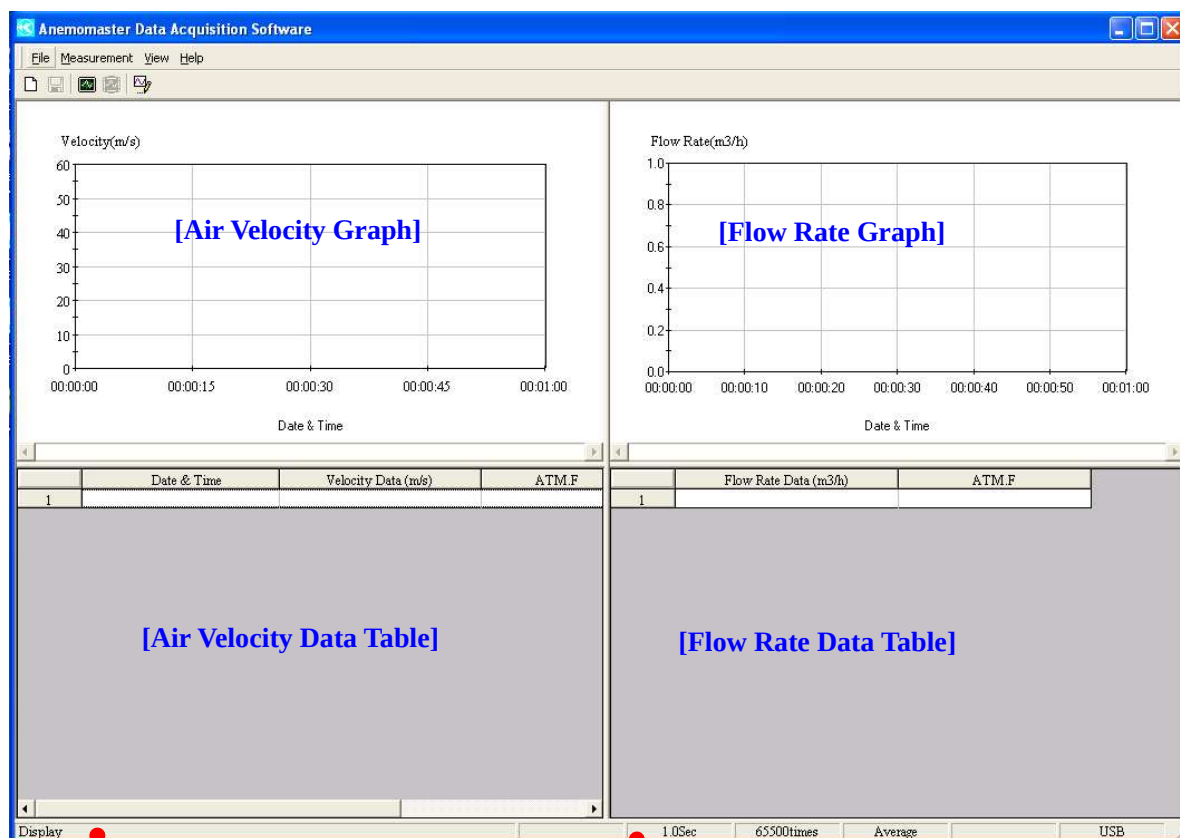


4. Data Acquisition Software (6036-41)

4.1 Software Startup

To start up the “Anemomaster Data Acquisition Software”, click

[start] -> [All Programs] -> [Kanomax] -> [Anemomaster Model 6036 Data Acquisition Software]



[Operation Status]

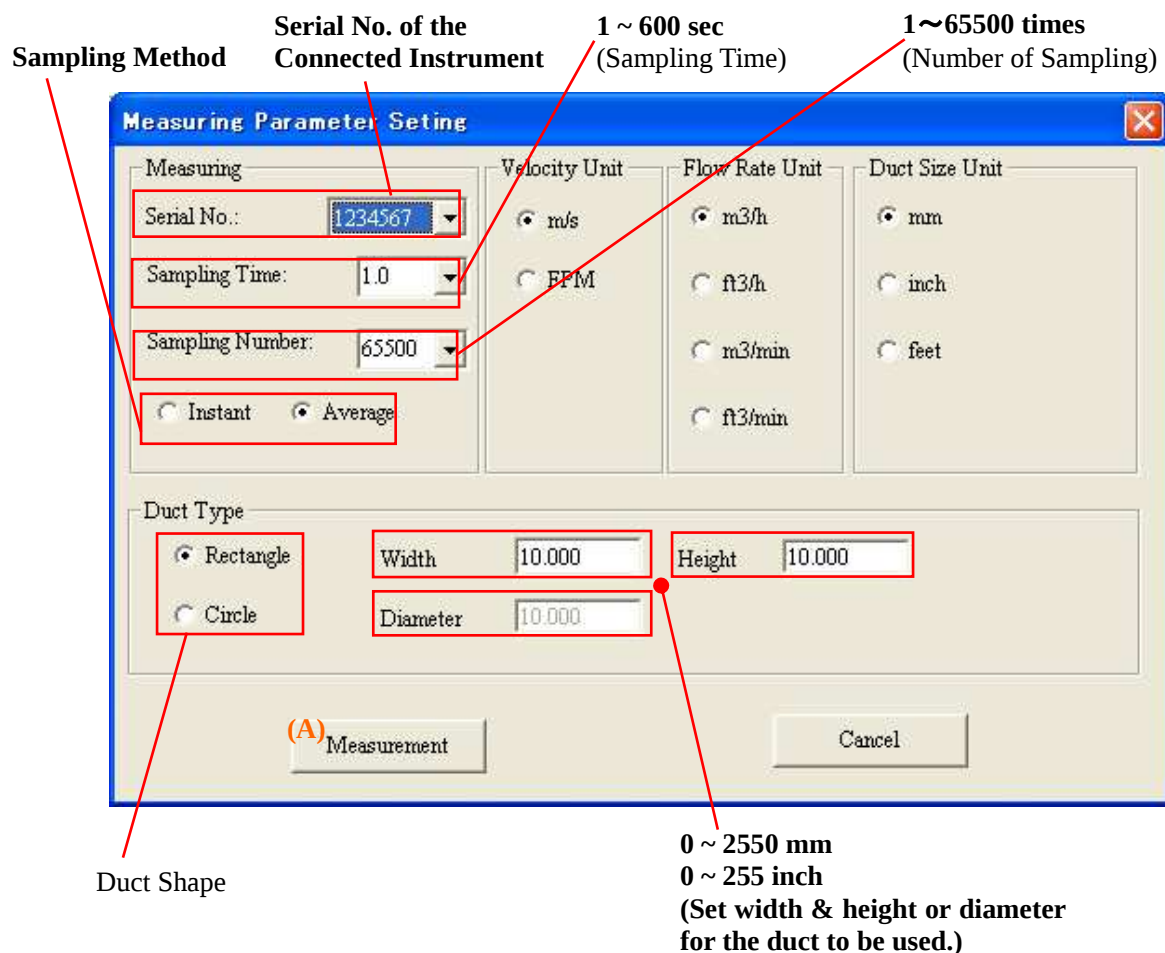
[Measurement Information]

<Startup Window>

4.2 Measurement

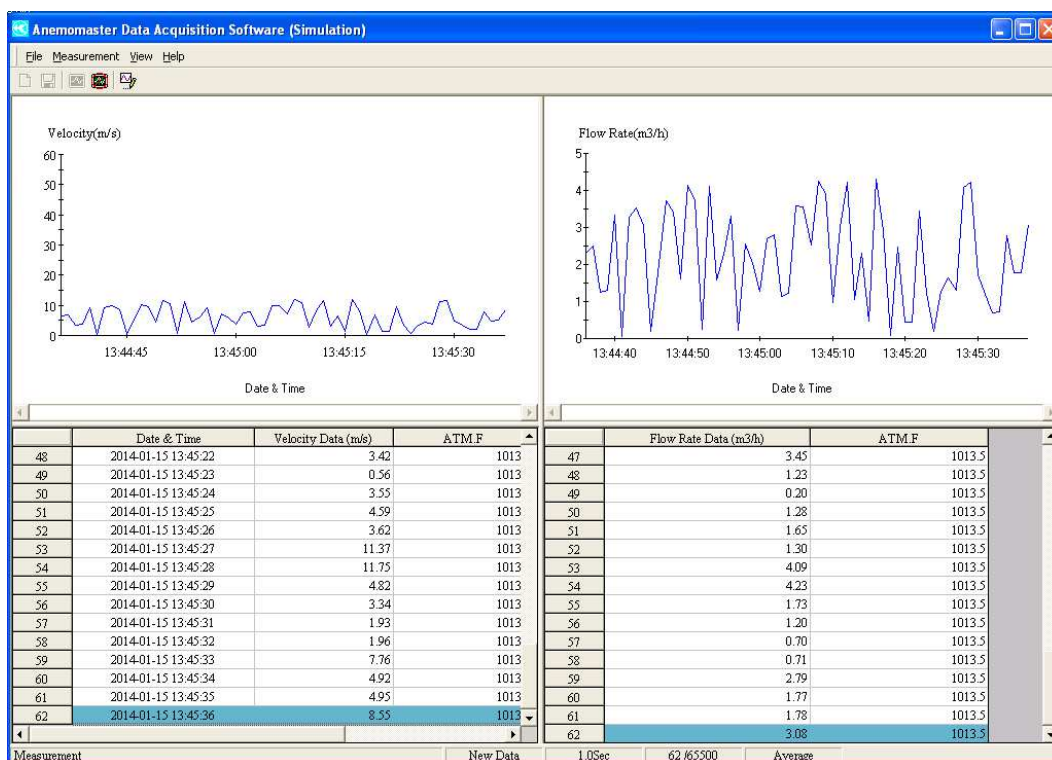
4.2.1 Starting a Measurement

- 1) Click [Measurement] -> [Measurement] from the menu bar.
(Or click the  button from the tool bar or press F4 key.)
- 2) “Measuring Parameter Setting” dialog box will be displayed. Configure each setting for a measurement.



<Measuring Parameter Setting Dialog Box>

- 3) To start a measurement based on the selected measurement setting, click [Measurement] (a).



<Screen while measuring>

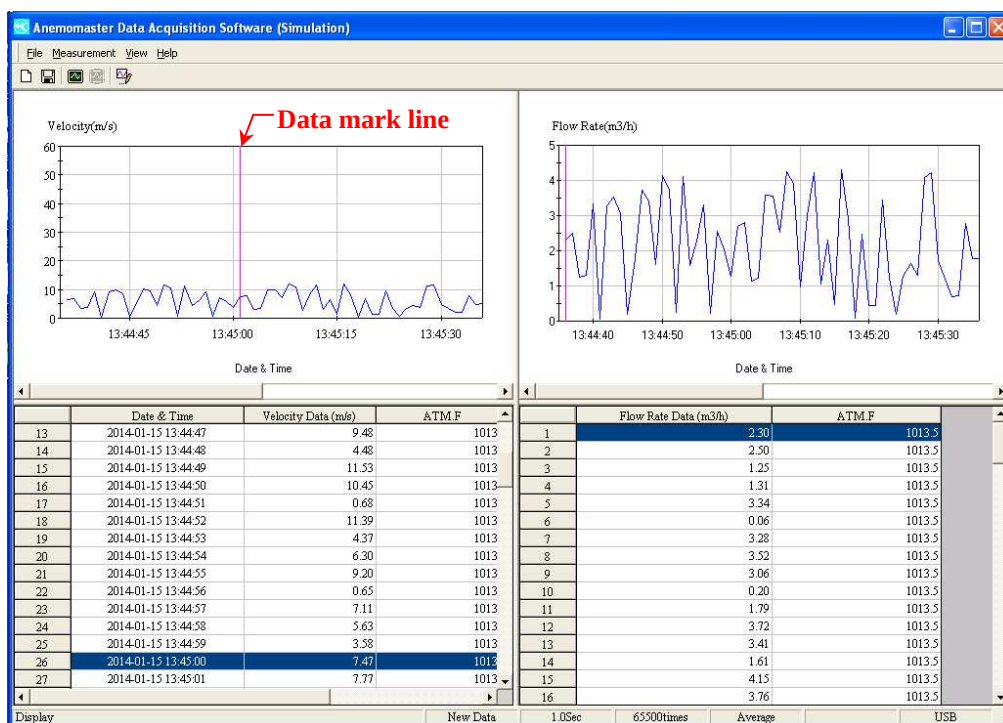
4.2.2 Stopping a Measurement

- 1) Click [Measurement] -> [Measurement Stop] from the menu bar.
(Or click  button on the tool bar or press F5 key.)
- 2) A confirmation window will ask you if you want to stop a measurement.



- 3) To stop a measurement click [Yes] (B).

4.2.3 Displaying Measurement Data



<Example of Measurement Data Display>

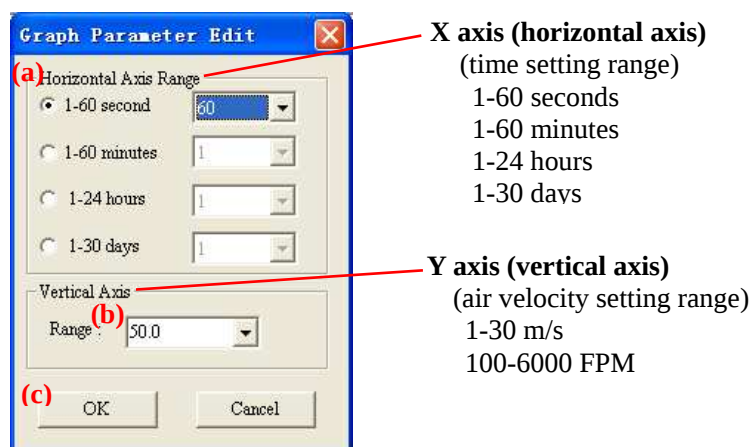
- Click the data mark line on the graph to indicate the corresponding data record in the data sheet.
- Click the data on the data sheet to move the data mark line to the corresponding position on the graph.

[Note]

This software does not have a function to redisplay any stored measurement data. Once data is saved, the measurement data cannot be displayed in the above format.

4.2.4 Air Velocity Graph Setting

- 1) Click [View] -> [Wind Speed Graph Parameter Edit] from the menu bar.
(Or click  button on the tool bar or press F6 key.)
- 2) “Graph Parameter Edit” window will be displayed.



<Graph Parameter Edit Window>

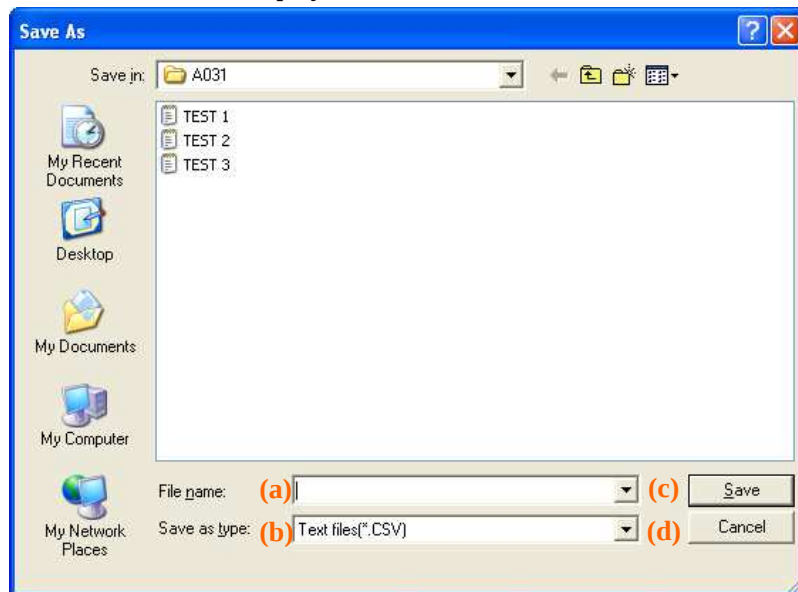
- 3) Set the X axis (horizontal axis) that indicates time.(a) (unit: select one from sec, min, hour, day)

- 4) Set the Y axis (vertical axis) that indicates air velocity. (b)
- 5) After setting X and Y axis, click [OK]. (c)

The flow rate graph setting (scale) will be set automatically.

4.2.5 Data Save

- 1) To save a measurement data click [File] -> [Save].
(Or click  button on the tool bar or press F3 key.)
- 2) [Save As] window will be displayed.



<Save As window>

- 3) Enter a file name. (a)
- 4) Select the format (“*.CSV” or “*.TXT”) in which to save the file. (b)
- 5) Click [Save] to save data. (c)
If you do not want to save data, click [Cancel]. (d)

4.3 Example of Saved Data

	A	B	C	D	E	F	G	H	I
1	[Anemomaster Measuring Data]								
2	The Measuring Parameter								
3	Sampling Time:1.0Sec								
4	Sampling Number:65500								
5	Duct size unit :mm								
6	Duct Type Shape	Width	Height	Diameter	Area				
7	Rectangle	10	10		100				
8	Measuring Data								
9	Date & Time Velocity Data(m/s), Flow rate Data(m3/h), Atmosphere(hPa), Atmospheric Correction Flag								
10	2014-01-15	13:57:09	6.4	2.3	1013.5	2			
11	2014-01-15	13:57:10	6.95	2.5	1013.5	2			
12	2014-01-15	13:57:11	3.48	1.25	1013.5	2			
13	2014-01-15	13:57:12	3.63	1.31	1013.5	2			
14	2014-01-15	13:57:13	9.29	3.34	1013.5	2			
15	2014-01-15	13:57:14	0.18	0.06	1013.5	2			
16	2014-01-15	13:57:15	9.12	3.28	1013.5	2			
17	2014-01-15	13:57:16	9.77	3.52	1013.5	2			
18	2014-01-15	13:57:17	8.5	3.06	1013.5	2			
19	2014-01-15	13:57:18	0.55	0.2	1013.5	2			
20	2014-01-15	13:57:19	4.97	1.79	1013.5	2			
21	2014-01-15	13:57:20	10.34	3.72	1013.5	2			
22	2014-01-15	13:57:21	9.48	3.41	1013.5	2			
23	2014-01-15	13:57:22	4.48	1.61	1013.5	2			
24	2014-01-15	13:57:23	11.53	4.15	1013.5	2			
25	2014-01-15	13:57:24	10.45	3.76	1013.5	2			
26	2014-01-15	13:57:25	0.68	0.25	1013.5	2			
27	2014-01-15	13:57:26	11.39	4.1	1013.5	2			
28	2014-01-15	13:57:27	4.37	1.57	1013.5	2			
29	2014-01-15	13:57:28	6.3	2.27	1013.5	2			
30	2014-01-15	13:57:29	9.2	3.31	1013.5	2			
31	2014-01-15	13:57:30	0.65	0.23	1013.5	2			
32	2014-01-15	13:57:31	7.11	2.56	1013.5	2			
33	2014-01-15	13:57:32	5.63	2.03	1013.5	2			
34	2014-01-15	13:57:33	3.58	1.29	1013.5	2			
35	2014-01-15	13:57:34	7.47	2.69	1013.5	2			
36	2014-01-15	13:57:35	7.77	2.8	1013.5	2			
37	2014-01-15	13:57:36	3.17	1.14	1013.5	2			
38	2014-01-15	13:57:37	3.36	1.21	1013.5	2			
39	2014-01-15	13:57:38	9.95	3.58	1013.5	2			
40	2014-01-15	13:57:39	9.89	3.56	1013.5	2			

<CSV format>

```

[Anemomaster Measuring Data]
The Measuring Parameter
Sampling Time:1.0Sec
Sampling Number:65500
Duct size unit :mm
Duct Type Shape Width Height Diameter Area
Rectangle,10,10,100
Measuring Data
Date & Time,Velocity Data(m/s),Flow rate Data(m3/h),Atmosphere(hPa),Atmospheric Correction Flag,
2014-01-15 13:57:09,6.4,2.3,1013.5,2
2014-01-15 13:57:10,6.95,2.5,1013.5,2
2014-01-15 13:57:11,3.48,1.25,1013.5,2
2014-01-15 13:57:12,3.63,1.31,1013.5,2
2014-01-15 13:57:13,9.29,3.34,1013.5,2
2014-01-15 13:57:14,0.18,0.06,1013.5,2
2014-01-15 13:57:15,9.12,3.28,1013.5,2
2014-01-15 13:57:16,9.77,3.52,1013.5,2
2014-01-15 13:57:17,8.5,3.06,1013.5,2
2014-01-15 13:57:18,0.55,0.2,1013.5,2
2014-01-15 13:57:19,4.97,1.79,1013.5,2
2014-01-15 13:57:20,10.34,3.72,1013.5,2
2014-01-15 13:57:21,9.48,3.41,1013.5,2
2014-01-15 13:57:22,4.48,1.61,1013.5,2
2014-01-15 13:57:23,11.53,4.15,1013.5,2
2014-01-15 13:57:24,10.45,3.76,1013.5,2
2014-01-15 13:57:25,0.68,0.25,1013.5,2
2014-01-15 13:57:26,11.39,4.1,1013.5,2
2014-01-15 13:57:27,4.37,1.57,1013.5,2
2014-01-15 13:57:28,6.3,2.27,1013.5,2
2014-01-15 13:57:29,9.2,3.31,1013.5,2
2014-01-15 13:57:30,0.65,0.23,1013.5,2
2014-01-15 13:57:31,7.11,2.56,1013.5,2
2014-01-15 13:57:32,5.63,2.03,1013.5,2
2014-01-15 13:57:33,3.58,1.29,1013.5,2
2014-01-15 13:57:34,7.47,2.69,1013.5,2
2014-01-15 13:57:35,7.77,2.8,1013.5,2
2014-01-15 13:57:36,3.17,1.14,1013.5,2
2014-01-15 13:57:37,3.36,1.21,1013.5,2
2014-01-15 13:57:38,9.95,3.58,1013.5,2
2014-01-15 13:57:39,9.89,3.56,1013.5,2
2014-01-15 13:57:40,7.07,2.54,1013.5,2
2014-01-15 13:57:41,11.82,4.26,1013.5,2
2014-01-15 13:57:42,10.92,3.99,1013.5,2
2014-01-15 13:57:43,2.73,0.98,1013.5,2
2014-01-15 13:57:44,8.34,3.0,1013.5,2
2014-01-15 13:57:45,11.75,4.23,1013.5,2
2014-01-15 13:57:46,2.95,1.06,1013.5,2
2014-01-15 13:57:47,6.41,2.31,1013.5,2
2014-01-15 13:57:48,1.28,0.46,1013.5,2
2014-01-15 13:57:49,11.98,4.31,1013.5,2
2014-01-15 13:57:50,8.11,2.92,1013.5,2
2014-01-15 13:57:51,0.20,0.07,1013.5,2
2014-01-15 13:57:52,6.90,2.48,1013.5,2
2014-01-15 13:57:53,1.21,0.44,1013.5,2

```

<TXT format>

※ Data stored in the column “Atom.F” are:

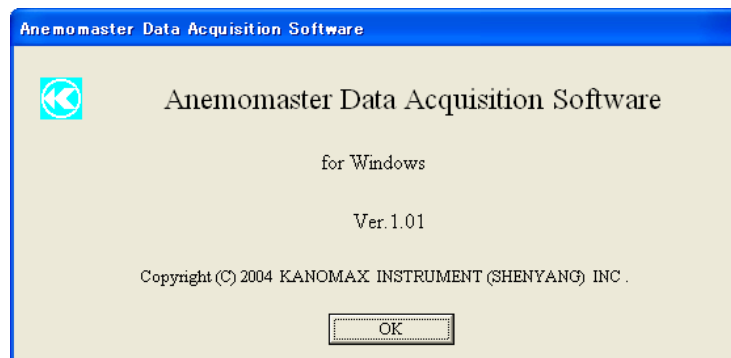
- 0:No atmospheric pressure compensation
- 1:Atmospheric pressure compensation(Automatic)
- 2:Atmospheric pressure compensation(Manual)
- 3: Atmospheric pressure compensation(Error)

4.4 Display Language

Display language can be selected from English or Japanese from the [View] menu.

4.5 Software Information

To check the name, version and copyright information of the software click [Help] -> [About]. The below window will be displayed.

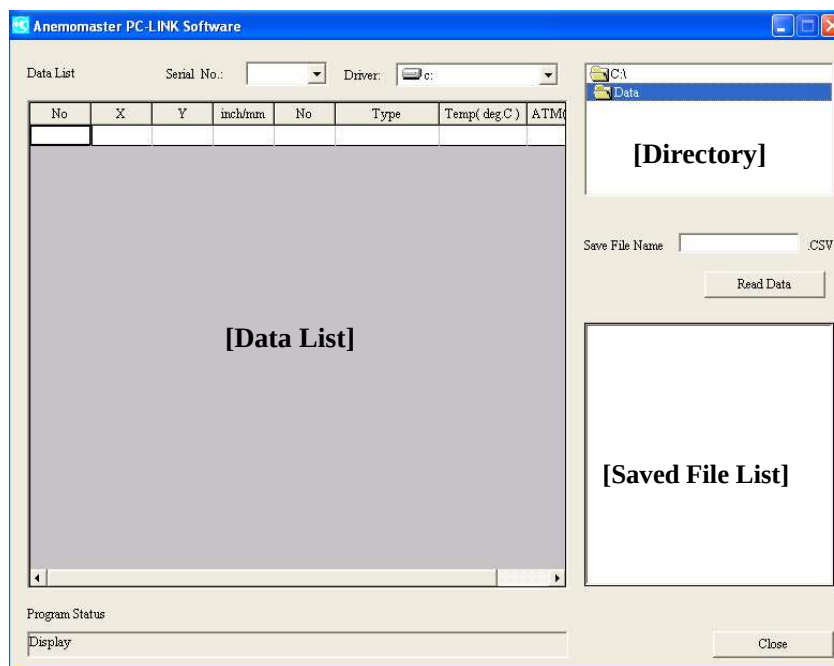


<Software Name, Version and Copyright Information window>

5. PC-LINK Software (6036-42)

5.1 Software Startup

To start up the “Anemomaster Data Acquisition Software”, click
[start] -> [All Programs] -> [Kanomax] -> [Anemomaster Model 6036 PC-LINK Software]



<Startup Window>

5.2 Data Acquisition

5.2.1 Acquiring Data from Anemomaster

Set the Anemomaster to the measurement mode where the data to be acquired is saved.

For example, if you want to download an air velocity data to your computer, set the Anemomaster to an air velocity measurement mode.

Note: Ensure that you have stored measurements in your Anemomaster before running this program. (See Anemomaster operation manual for instructions on storing measurements.)

- 1) Select the drive (a) and directory (b) where the acquired data will be saved.
- 2) Enter a file name for the data to be acquired. (c)
- 3) Click [Read Data] to begin acquiring data from Anemomaster. The saved acquired data will be listed in the data list (e).

5.2.2 Viewing Data Saved on the Computer

- 1) Select the drive (a) and directory (b) where the data acquired from Anemomaster is stored.
- 2) Click the file name that you want to view from the saved file list (f).
- 3) The selected data will be displayed on the data list (e).

Serial No. of the Connected Instrument

The screenshot shows the 'Anemomaster PC-LINK Software' window. At the top, there's a 'Serial No.' dropdown set to '0400731' and a 'Drive' dropdown set to '(a) [C:] Windows XP'. Below this is a 'Data List' table with columns: No, X, Y, inch/mm, No, Vel(m/s), Temp(deg C), and ATM(hPa). The table contains several rows of data, with some rows highlighted in yellow. A red arrow points from the 'Serial No. of the Connected Instrument' text to the 'Serial No.' dropdown. To the right of the table is a 'Data' directory tree showing 'c:\Data'. Below the tree is a 'Save File Name' field with 'Test123' entered, followed by a '.CSV' extension. A 'Read Data' button is located below the file name field. At the bottom of the window, there is a 'Program Status' section with a 'Display' button and a 'Close' button.

No	X	Y	inch/mm	No	Vel(m/s)	Temp(deg C)	ATM(hPa)
				0004	0.00	22.8	
				AVE	0.00	22.8	
0002	000000	000000	00	0001	0.00	23.0	1023
				0002	0.00	23.0	
				0003	0.00	23.1	
				AVE	0.00	23.0	
0003	000000	000000	00	0001	0.00	23.1	N
				0002	0.00	23.1	
				0003	0.00	23.1	
				AVE	0.00	23.1	
0004	000000	000000	00	0001	0.00	23.2	1008
				0002	0.00	23.2	
				0003	0.00	23.2	
				AVE	0.00	23.2	
0005	000000	000000	00	0001	0.00	23.7	1021
				0002	0.00	23.7	
				0003	0.00	23.7	
				0004	0.18	23.8	
				0005	0.13	23.8	
				0006	0.00	23.8	
				AVE	0.05	23.8	
0006	000000	000000	00	0001	0.00	23.8	1021
				AVE	0.00	23.8	

<Data Display Window>

5.3 Example of Stored Data

	A	B	C	D	E	F	G	H	I	J	K	L
1	Anemomaster PC-LINK Software											
2	Date	1/15/2014 15:07										
3												
4	No	X	Y	inch/mm	No	Vel(m/s)	Temp(deg	ATM(hPa)	ATM F			
5	1		0	0	0	1	0	22.8	1008	1		
6						2	0	22.8				
7						3	0	22.8				
8						4	0	22.8				
9						AVE	0	22.8				
10	2		0	0	0	1	0	23	1023	2		
11						2	0	23				
12						3	0	23.1				
13						AVE	0	23				
14	3		0	0	0	1	0	23.1	1008	0		
15						2	0	23.1				
16						3	0	23.1				
17						AVE	0	23.1				
18	4		0	0	0	1	0	23.2	1008	1		
19						2	0	23.2				
20						3	0	23.2				
21						AVE	0	23.2				
22	5		0	0	0	1	0	23.7	1021	1		
23						2	0	23.7				
24						3	0	23.7				
25						4	0.18	23.8				
26						5	0.13	23.8				
27						6	0	23.8				
28						AVE	0.05	23.8				
29	6		0	0	0	1	0	23.8	1021	1		
30						AVE	0	23.8				
31												
32												
33												
34												

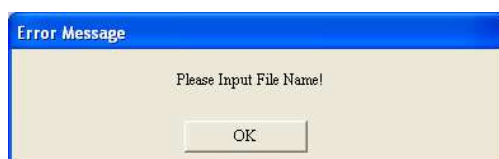
<An example of saved data displayed in MS Excel>

※ Data stored in the column “Atom.F” are:

- 0:No atmospheric pressure compensation
- 1:Atmospheric pressure compensation(Automatic)
- 2:Atmospheric pressure compensation(Manual)
- 3: Atmospheric pressure compensation(Error)

5.4 Error Message

1) File Name Error



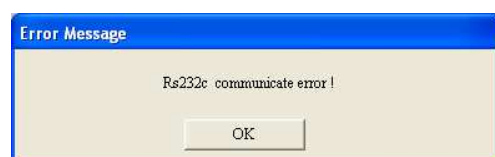
Before acquiring data, you need to enter a file name. When you try to acquire data without entering a file name, this message will be displayed.

2) Drive Error



When the selected drive cannot be access, this message will be displayed.

3) Communication Error



When this communication error occurs, check if the cable is connected properly and status of the instrument.

6. Troubleshooting

➤ **Communication error message is displayed.**

Refer to “Setting the Measurement Unit and Baud Rate” in the User’s Manual of ANEMOMASTER MODEL 6035/6036(P.21) and set the Baud rate of the instrument to 19200bps.

Confirm the communication settings.

Make sure that the computer is connected to the Anemomaster with a communication cable.

After making proper connection, close the software and reboot it.

If you require additional technical support, please contact your local distributor or our service center.

7. Contact Information

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