

# ANEMOMASTER MODEL 6036

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

**Operation Manual** 

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

#### 1. <u>Setting icon of the software :</u>

- 1. Click [Start]  $\rightarrow$  [ALL Programs]  $\rightarrow$  [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: $\pm$  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".



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 being displayed in the lower right of the screen.	is Installing device driver software * * Click here for status.
2)In a short time, "Device drive software was not successfully installed" message will appear.	Device driver software was not successfully installed $\stackrel{<}{\sim}$ X Click here for details.
3)Click "Start" → "Control Panel" → "Hardware and Sound".	Image: Constant and Security         System and Security         Securey         Securey
4)Click "Device Manager".	

4

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".	Vordate Driver Software - KANOMAX Anemo Master Model 6036  How do you want to search for driver software?      Search automatically for updated driver software Windows will search your computer and the Internet for the latest driver software Windows will search your computer and the Internet for the latest driver software setting.      Browse my computer for driver software locate and install driver software manually.
7)Type the name of the CD-ROM drive in "Search for driver software in this location:" box and click "Next".	Cancel  Update Driver Software - KANOMAX Anemo Master Model 6036  Browse for driver software on your computer  Search for driver software in this location:  Exact for driver software in the software i
8) In the resulting "Windows Security" dialogue, click "Install this driver software anyway" to start the installation of the driver software.	Windows Security       Image: Constant of the publisher of this driver software         Image: Windows can't verify the publisher of this driver software       Image: Constant of the publisher of this driver software         Image: Constant of the publisher of this driver software       Image: Constant of the publisher of this driver software         Image: Constant of the publisher of this driver software       Image: Constant of the publisher of the publisher of the publisher of the public driver software         Image: Constant of the publisher of the publi

9) When the installation is complete as shown in the right figure, click "Close".	Update Driver Software - KANOMAX Anemo Master Model 6036 (COM4)  Windows has successfully updated your driver software  Windows has finished installing the driver software for this device  KANOMAX Anemo Master Model 6036
	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]



### **4.2 Measurement**

#### 4.2.1 Starting a Measurement

- 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.

Sampling	Seria Method Con	al No. of the nected Instrum	<b>1~6</b> nent (Sam	<b>00 sec</b> pling Time)	1~65500 times (Number of Sampling)
	leasuring Param	eter Seting			
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	Sampling Number:	65500 🔹		C m3/min	€ feet
	C Instant 💽 .	Average		C ft3/min	
1	Duct Type				
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	← Circle	Diameter	10.000		
		Measurement			Cancel
				0 ~ 2550 mm	
Du	ct Shape			0 ~ 255 inch	1.1.1.4
				(Set whath & for the duct to	be used.)



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



<Screen while measuring>

#### 4.2.2 Stopping a Measurement

- 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

- 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)

#### 3. Data Acquisition Software (S603-60)

- 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

- 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			? 🔀
Savejn:	C A031	+ E 💣	<b>≣</b> .
My Recent Documents Desktop	E TEST 1 E TEST 2 E TEST 3		
My Documents			
My Computer			
	File <u>n</u> ame: (a)	<b>_</b>	(c) Save
My Network Places	Save as type: (b) Text files(".CSV)	•	(d) <u>Cancel</u>

<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**

M 🔊	icrosoft	Excel -	123										🖡 123 - Notepad
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3	Samplin	Time:1.	OSec										Measuring Data
4	Samplin	Numbe	r:6550	0									Date & Time, Velocity Data(m/s), Flow rate Data(m3/h), Atomosphere(hPa), Atomospheric Correction Flag,
5	Duct siz	e unit :m	m										2014-01-15 13:57:10 .6.95.2.50.1013.5.2
6	Duct Typ	e Shape	( N	Vidth	Height	Diameter	Area					_	2014-01-15 13:57:11 ,3.48,1.25,1013.5,2
7		Recta	ngle	10	10		100						2014-01-15 13:57:12 ,3.63,1.31,1013.5,2
8	Measurir	ng Data										_	2014-01-15 13:57:14 .0.18.0.06.1013.5.2
9	Date & I	in Veloci	ty D F	low rate L	Atomosph	Atomosphi	eric Correct	ion Flag		_	_	_	2014-01-15 13:57:15 ,9.12,3.28,1013.5,2
10	2014-01	-1	6.4	2.3	1013.5	2				_	-		2014-01-15 13:57:16 ,9.77,3.52,1013.5,2
11	2014-01	-1	0.95	2.5	1013.5	2			-	_	-	- 1	2014-01-15 13:57:18 .0.55.0.20.1013.5.2
12	2014-01	-1	2.40	1.20	1013.5	2			-	-	-		2014-01-15 13:57:19 ,4.97,1.79,1013.5,2
14	2014-01	1	a 70	3.34	1013.5	2				-	-		2014-01-15 13:57:20 ,10:34,3.72 1013.5,2
15	2014-01	1	7.18	40.0	1013.5	2			-	-		-	2014-01-15 13:57:22 .4.48.1.61.1013.5.2
16	2014-01	1	9.12	3.28	1013.5	2							2014-01-15 13:57:23 ,11.53,4.15,1013.5,2
17	2014-01	-1	9.77	3.52	1013.5	2						-	2014-01-15 13:57:24 ,10.45,3.76,1013.5,2
18	2014-01	-1	8.5	3.06	1013.5	2						_	2014-01-15 13:57:23 ,0.08,0.23,1013.5,2 2014-01-15 13:57:26 11 39 4 10 1013 5 2
19	2014-01	-1 1	0.55	0.2	1013.5	2							2014-01-15 13:57:27 ,4.37,1.57,1013.5,2
20	2014-01	-1	4.97	1.79	1013.5	2							2014-01-15 13:57:28 ,6.30,2.27,1013.5,2
21	2014-01	-1 1	0.34	3.72	1013.5	2							2014-01-15 13:57:29 ,9:20,3:31,1013:5;2 2014-01-15 13:57:30 0 65 0 23 1013 5 2
22	2014-01	-1	9.48	3.41	1013.5	2							2014-01-15 13:57:31 ,7.11.2.56,1013.5.2
23	2014-01	-1	4.48	1.61	1013.5	2							2014-01-15 13:57:32 ,5.63,2.03,1013.5,2
24	2014-01	-1 1	1.53	4.15	1013.5	2							2014-01-15 13:57:33 ,3.58,1.29,1013.5,2
25	2014-01	-1 1	D.45	3.76	1013.5	2				_			2014-01-15 13:57:35 ,7.77,2.80,1013.5,2
26	2014-01	-1 1	J.68	0.25	1013.5	2				_	_	_	2014-01-15 13:57:36 ,3.17,1.14,1013.5,2
21	2014-01	-1 1	1.39	4.1	1013.5	2				_	_		2014-01-15 13:57:37 , 3:36,1:21,1013,5,2
28	2014-01	-1	4.37	1.57	1013.5	2			-	_	-	-	2014-01-15 13:57:39 .9.89.3.56.1013.5.2
29	2014-01	1	0.0	2.27	1013.5	2			-	-	-	-	2014-01-15 13:57:40 ,7.07,2.54,1013.5,2
31	2014-01	1	3.2	0.01	1013.5	2					-	-	2014-01-15 13:57:41 ,11.82,4.26,1013.5,2
32	2014-01	1	7 11	2.56	1013.5	2			-	_	-	-	2014-01-15 13:57:43 .2.73.0.98.1013.5.2
33	2014-01	1	5.63	2.30	1013.5	2				-	-	-	2014-01-15 13:57:44 ,8.34,3.00,1013.5,2
34	2014-01	-1	3.58	1.29	1013.5	2						-	2014-01-15 13:57:45 ,11.75,4.23,1013.5,2
35	2014-01	-1	7.47	2.69	1013.5	2							2014-01-15 13:57:47 .6.41.2.31.1013.5.2
36	2014-01	-1	7.77	2.8	1013.5	2							2014-01-15 13:57:48 ,1.28,0.46,1013.5,2
37	2014-01	-1	3.17	1.14	1013.5	2							2014-01-15 13:57:49 ,11.98,4.31,1013.5,2
38	2014-01	-1	3.36	1.21	1013.5	2							2014-01-15 13:57:51 .0.70.0.07.1013.5.7
39	2014-01	-1	9.95	3.58	1013.5	2							2014-01-15 13:57:52 ,6.90,2.48,1013.5,2
40	2014-01	1	9.89	3.56	1013.5	2					1	, <b>T</b>	2014-01-15 13:57:53 ,1.21,0.44,1013.5,2
		23/										211	x
Read	Y								2	NUM		1	
					COT	7 0	4						

<CSV format>

<TXT format>

- X 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]

Anemoma Data List	ister PC-	LINK Sof	tware	•	Driver: 🖃 c:	(Market States)	•	
No	X	Y	inch/mm	No	Туре	Temp( deg.C )	ATM	[Directory]
			[Dat	a Lis	t]			Save File Name CS
								[Saved File List]
•   rogram Stat	บร						•	

<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).

itu 1.451		Serial N	o.: 0400'	731 💌	Drive:	(a)indows	XP] 💌	Cit Cit
No	X	Y	inch/mm	No	Vel(m/s)	Temp( deg.C )	ATM(hPa_	
				0004	0.00	22.8		(b)
				AVE	0.00	22.8		
0002	000000	000000	00	0001	0.00	23.0	1023	
				0002	0.00	23.0		1
				0003	0.00	23.1		
				AVE	0.00	23.0		
0003	000000	000000	00	0001	0.00	23.1	N	Save File Name  Test (20)
				0002	0.00	23.1		
	(.)			0003	0.00	23.1		(d) Read Data
	(e)			AVE	0.00	23.1		
0004	000000	000000	00	0001	0.00	23.2	1008	102.050
				0002	0.00	23.2		Test123 CSV
				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		( <b>İ</b> )
				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	•	
	·							

#### Serial No. of the Connected Instrument

<Data Display Window>

### **5.3 Example of Stored Data**

<b>N</b>	Aicrosoft Ex	ccel - Test123											<
8	<u>Eile E</u> dit	View Insert Forma	at <u>T</u> ools	Data <u>₩</u> ind	ow <u>H</u> elp				Ty	be a question fo	or help		×
D		5 K + 6 X	Arial	501 1935 	10 - 1	3 Z U	EEB	<b>B S</b>	× . *** :		- A	- A -	
	A1	▼ fr Anem	omaster Pl	LINK Soft	ware	- 1							-
	A	B	C	D	E	F	G	Н	1	J	K	È -	=
1	Anemoma	ter PC-LINK Softwar	e	7	~~~~		17			0	->->		-
2	Date	1/15/2014 15:07											
3													
4	No	Х	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	U	22.8						
9					AVE	U	22.8	4000	2				
10	2	U	U	U		0	23	1023	2				
12					3	0	23						
13					AVE	0	23.1						
14	3	Π	0	0	1	0	23.1	1008	0				
15					2	ň	23.1	1000					
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					b	0.05	23.8						
28	C.		0	D	AVE	0.05	23.8	1001	4				
29	0	U	0	.0	A1/E	0	23.0	1021	1				
30					AVE	U	23.0						
32													
33													
34													
or.		+123/					141		1	1	-	- 10	-
Bat	al.						121				IM		
Kea	ay .									NU	JIYI		

<An example of saved data displayed in MS Excel>

- - 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

Error Messa	ge	
	Please Input File Name!	
	ОК	

#### 2) Drive Error



#### 3) Communication Error

Error Mes	sage		
	Ra	232c communicate error l	
		ок	

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.

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

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



#### U.S.A. & Europe

KANOMAX USA, INC. PO Box 372, 219 US Hwy 206, Andover, NJ 07821 U.S.A. TEL: (800)-247-8887 / (973)-786-6386 FAX: (973)-786-7586 URL: <u>http://www.kanomax-usa.com/</u> E-mail: <u>info@kanomax-usa.com</u>

#### Japan & Asia

KANOMAX JAPAN, INC. 2-1 Shimizu Suita City, Osaka 565-0805, Japan TEL: 81-6-6877-0183 FAX: 81-6-6877-5570 URL: <u>http://www.kanomax.co.jp/</u> E-mail: <u>sales@kanomax.co.jp</u>

#### China

Shenyang Kano Scientific Instrument Co., Ltd No. 12, 4 Jia Wencui Road Heping District Shenyang City PRC TEL: 86-24-23845309 FAX: 86-24-23898417 URL: <u>http://www.kanomax.com.cn/</u> E-mail: <u>sales@kanomax.com.cn</u>