



# MODEL.6710 CAPTURE HOOD DATA ACQUISITION SOFTWARE INSTRUCTION MANUAL



|         |
|---------|
| 01001   |
| 1 2 .07 |

## **Note:**

1. Specifications and the related details in this manual will be subject to change along with the software version upgrade.
2. Working principle :one software corresponding to one PC.

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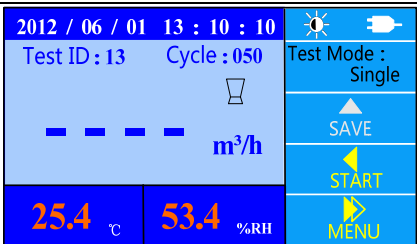
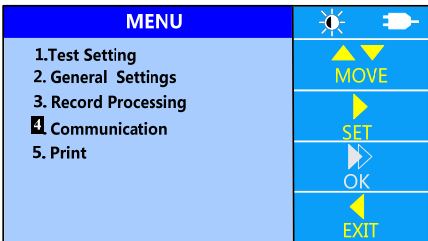
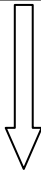
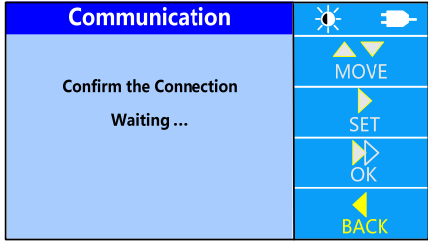
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## 1. SUMMARY

This manual explains how to upload the data with the computer software. The data stored in the flash memory will be read and transferred, including: Air flow rate (m³/h) , Temperature (°C) , Humidity (%RH) and so on. Then these records will be saved in Microsoft office Excel (\*.CSV) compatible file format.

### Instrument settings:

#### 1) Communication settings

| Display Shows                                                                       | Operating key                                                                                        | Explanation                                                  |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
|    | POWER                                                                                                | Press "POWER" to enter the main interface.                   |
|   | <b>【MENU】</b><br> | Press and hold for 2 seconds to enter "MENU".                |
|  |  <b>【MOVE】</b>    | Press the "MOVE" buttons to select option 4."Communication". |
|  |  <b>【SET】</b>     | Under "MENU", press "SET" to enter the "Communication"       |
|  | The display will then indicate: "Confirm the Connection Waiting..."                                  |                                                              |

## 2) Connection illustration for reference:

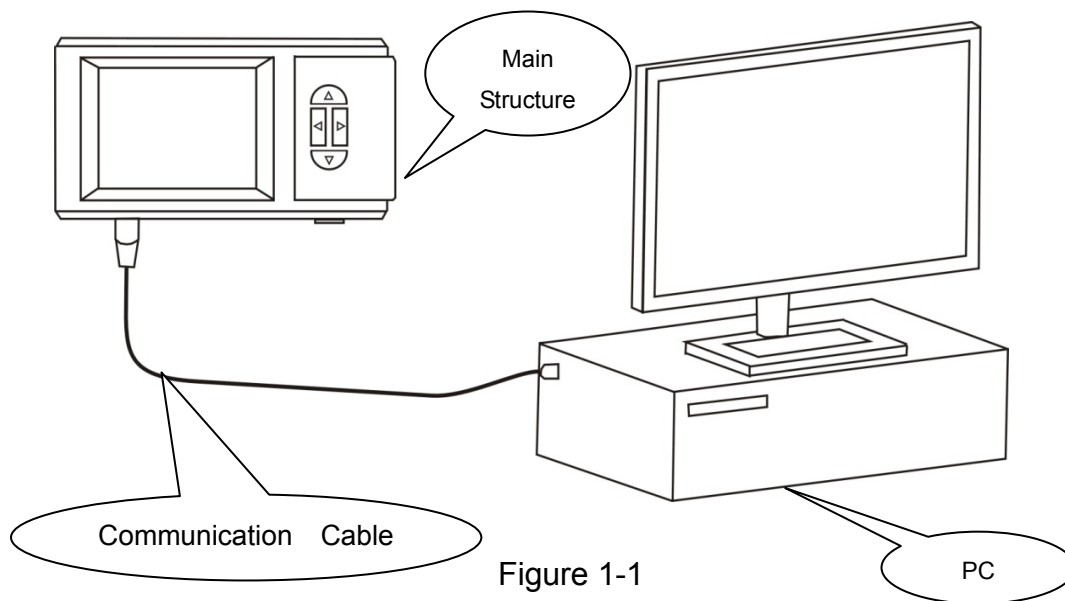


Figure 1-1

## 3) Software support:

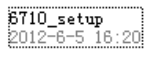
| Item             | content                                   |
|------------------|-------------------------------------------|
| Operating system | Microsoft Windows XP, Microsoft Windows 7 |
| Language         | English or Simplified Chinese             |
| Communication    | USB connection with PC                    |

## 4) PC configuration request:

- .CPU IBM PC compatible machine with CPU Pentium II or above
- .Interface 1 USB port
- .Operating system Microsoft Windows XP, Microsoft Windows 7
- .RAM  $\geq 256\text{MB}$
- .HDD  $\geq 100\text{MB}$  free disc space
- .Corresponding model: 6710

## 2. Software installation:

- 1) It's recommended that you turn off other application programs before the installation. Insert the CD-ROM into the disk driver.

Then open the folder  **6710\_setup** , and double click  to begin the installation. The screen shown in Figure 2-1 will appear. Press "Next".

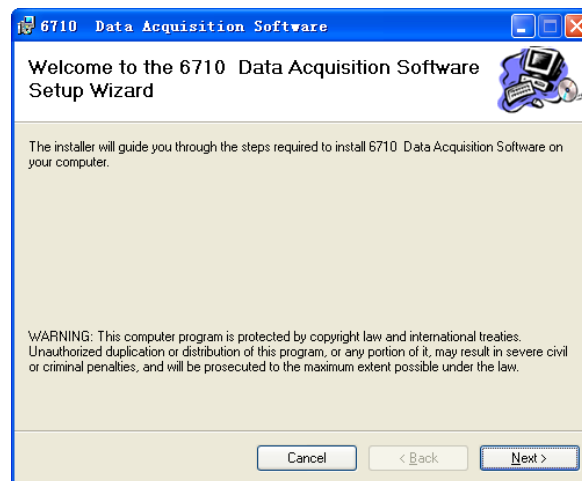


Figure 2-1

- 2) Then the screen shown in Figure 2-2 appears. Press "Next" after you select a folder to install this software.

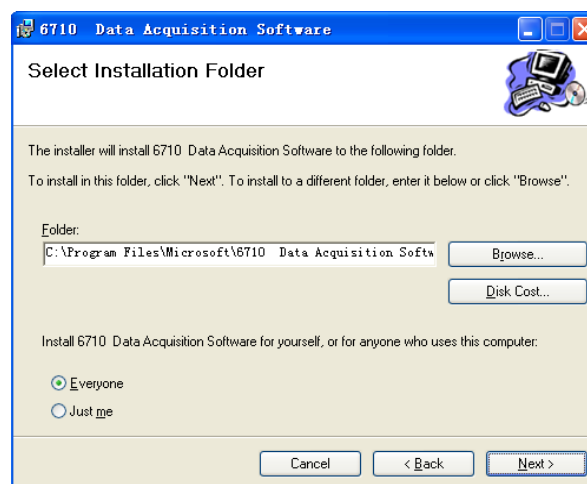


Figure 2-2

- 3) Then the screen shown in Figure 2-3 appears. Press “Next” to start the installation.

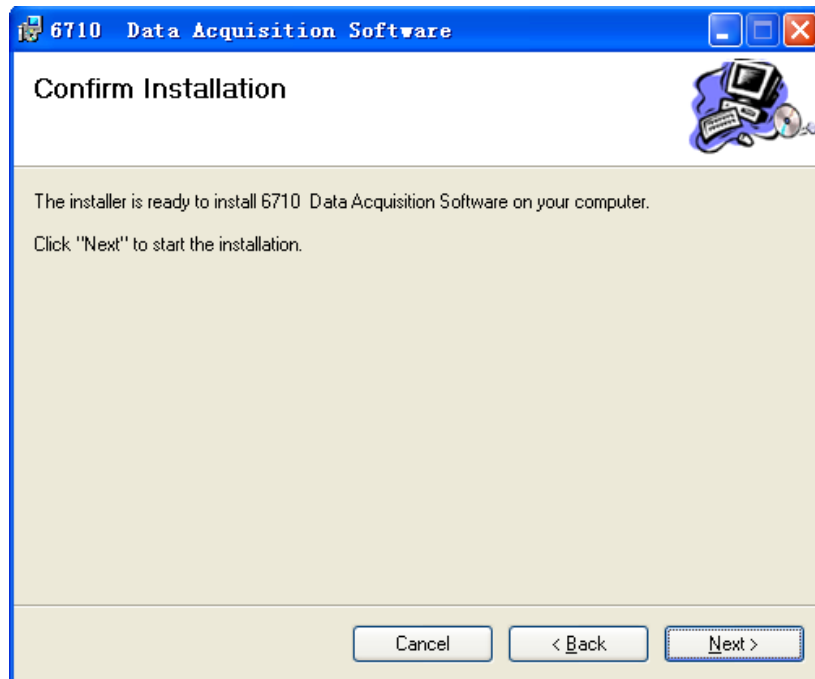


Figure 2-3

- 4) Wait until the installation finishes, as shown in Figure 2-4.

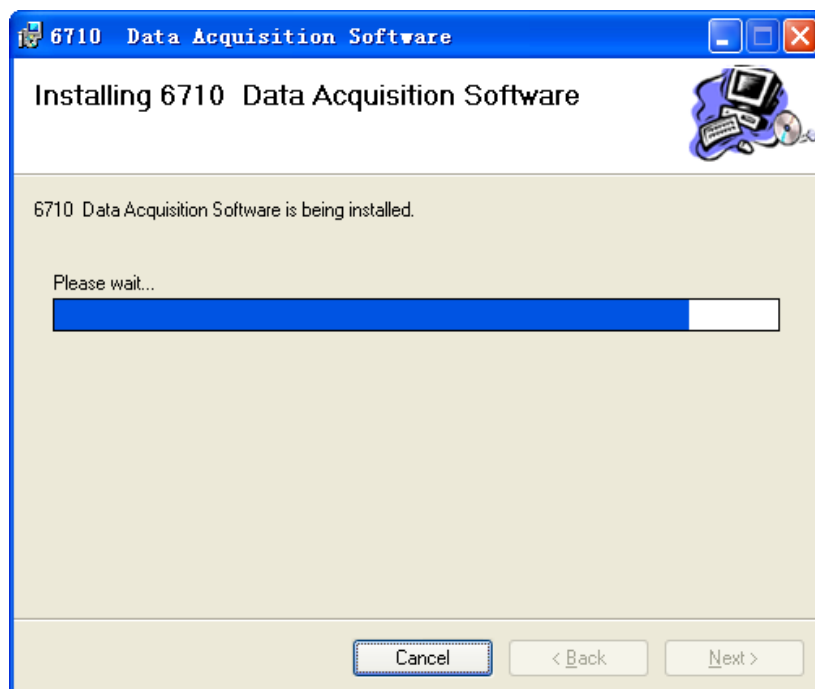


Figure 2-4

5) When the screen shown in Figure 2-5 appears, press “Close”.

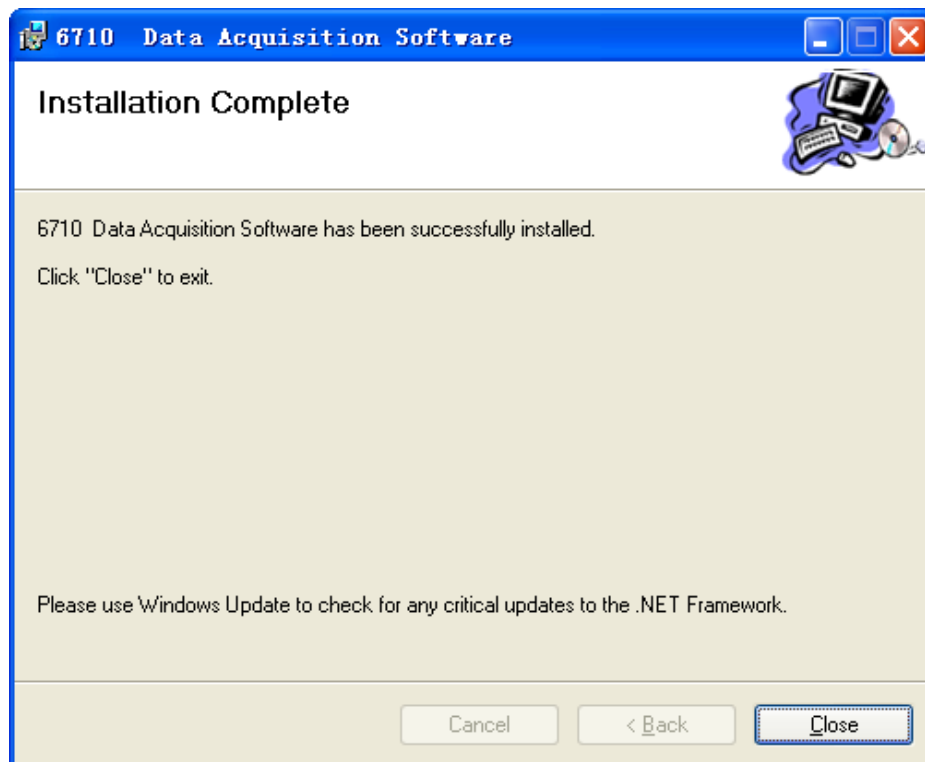


Figure 2-5

6) After clicking “Close”, the icon shown in Figure 2-6 will be displayed on the screen indicating installation was successful.

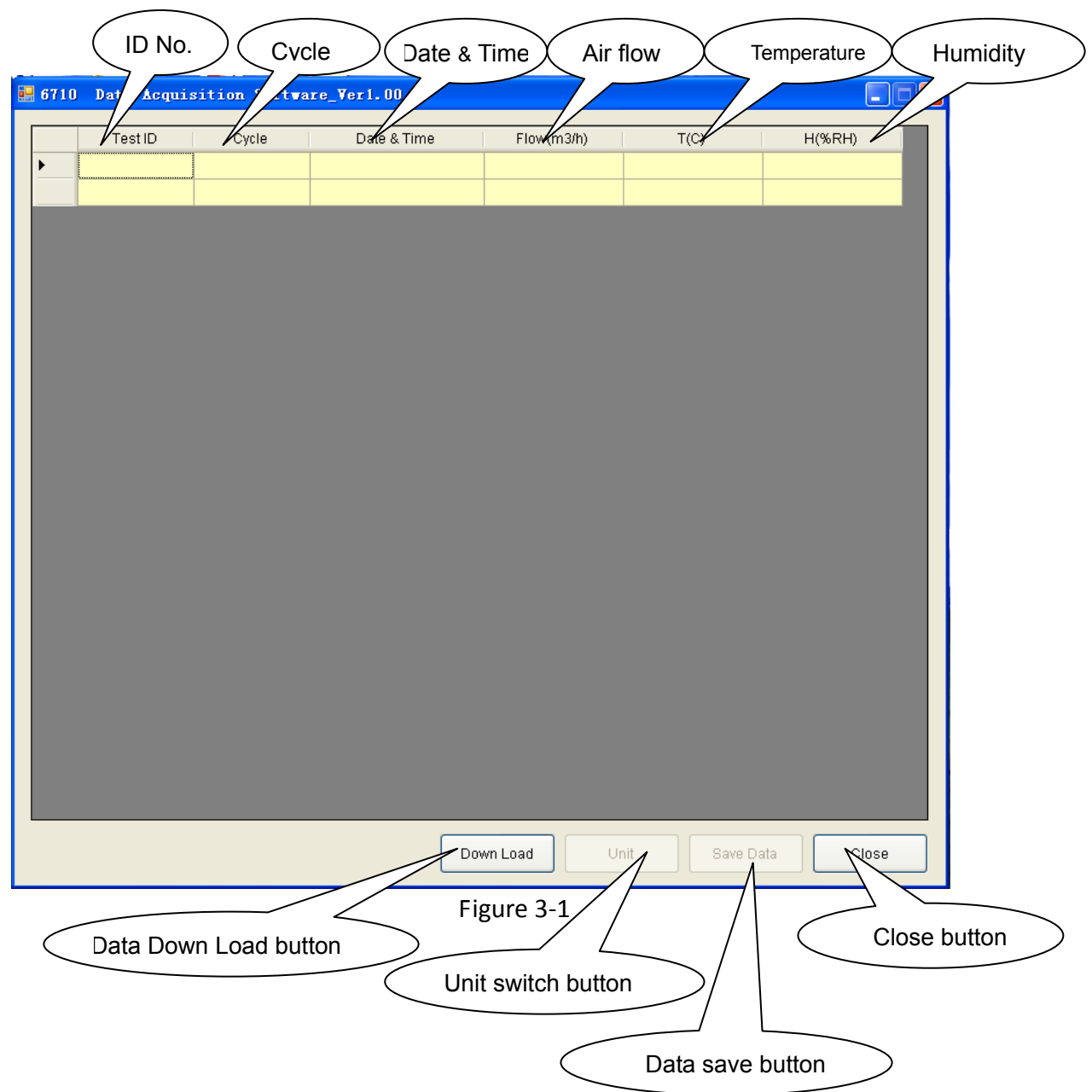


Figure 2-6

### 3. How to use the software

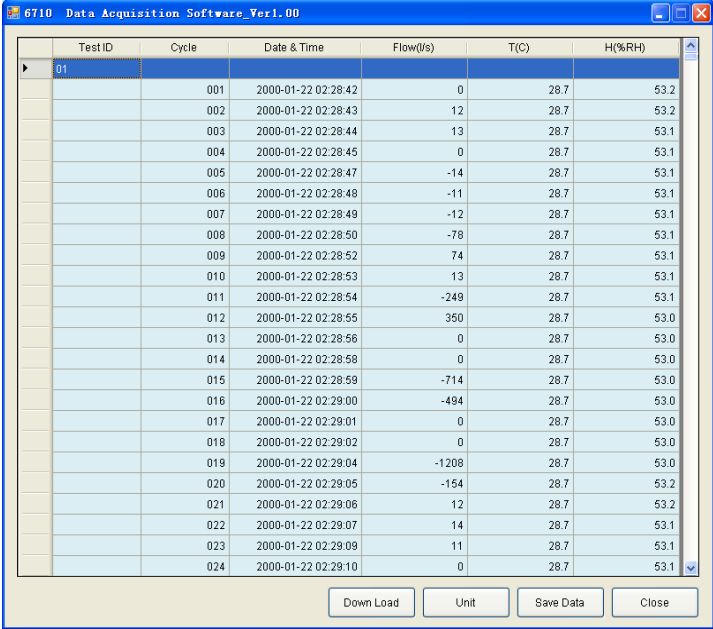
#### 3.1 Start

Double click the icon  to start the data reading software. A sample of the opening software screen is shown for reference:



### 3.2 Data download

Connect a USB cable, click 【Down Load】 and the display will change as shown below:



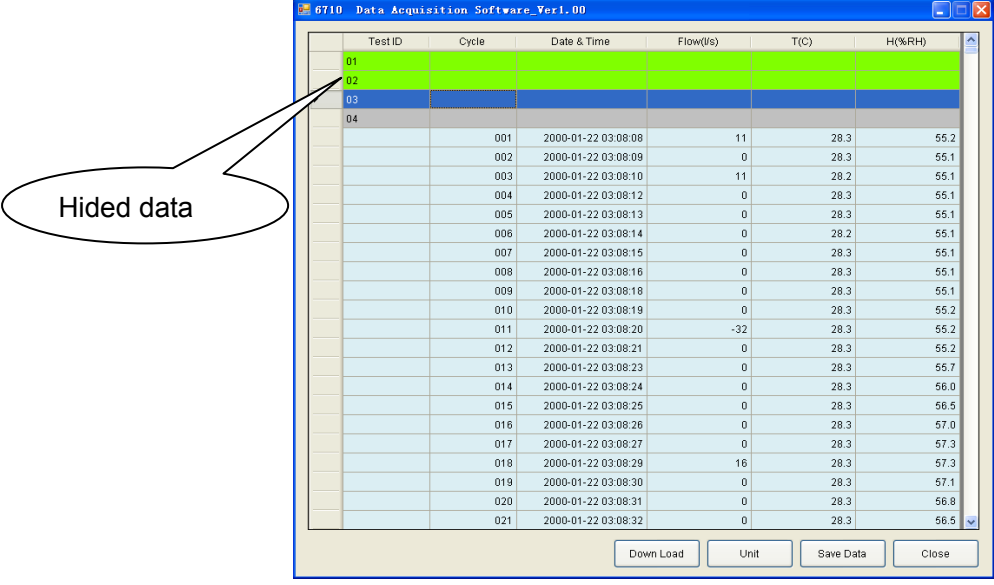
The screenshot shows the '6710 Data Acquisition Software\_Ver1.00' window. It contains a table with the following columns: TestID, Cycle, Date & Time, Flow(l/s), T(C), and H(%RH). The table displays 24 rows of data, with TestID 01 highlighted. At the bottom of the window, there are four buttons: 'Down Load', 'Unit', 'Save Data', and 'Close'.

| TestID | Cycle | Date & Time         | Flow(l/s) | T(C) | H(%RH) |
|--------|-------|---------------------|-----------|------|--------|
| 01     | 001   | 2000-01-22 02:28:42 | 0         | 28.7 | 53.2   |
|        | 002   | 2000-01-22 02:28:43 | 12        | 28.7 | 53.2   |
|        | 003   | 2000-01-22 02:28:44 | 13        | 28.7 | 53.1   |
|        | 004   | 2000-01-22 02:28:45 | 0         | 28.7 | 53.1   |
|        | 005   | 2000-01-22 02:28:47 | -14       | 28.7 | 53.1   |
|        | 006   | 2000-01-22 02:28:48 | -11       | 28.7 | 53.1   |
|        | 007   | 2000-01-22 02:28:49 | -12       | 28.7 | 53.1   |
|        | 008   | 2000-01-22 02:28:50 | -78       | 28.7 | 53.1   |
|        | 009   | 2000-01-22 02:28:52 | 74        | 28.7 | 53.1   |
|        | 010   | 2000-01-22 02:28:53 | 13        | 28.7 | 53.1   |
|        | 011   | 2000-01-22 02:28:54 | -249      | 28.7 | 53.1   |
|        | 012   | 2000-01-22 02:28:55 | 360       | 28.7 | 53.0   |
|        | 013   | 2000-01-22 02:28:56 | 0         | 28.7 | 53.0   |
|        | 014   | 2000-01-22 02:28:58 | 0         | 28.7 | 53.0   |
|        | 015   | 2000-01-22 02:28:59 | -714      | 28.7 | 53.0   |
|        | 016   | 2000-01-22 02:29:00 | -494      | 28.7 | 53.0   |
|        | 017   | 2000-01-22 02:29:01 | 0         | 28.7 | 53.0   |
|        | 018   | 2000-01-22 02:29:02 | 0         | 28.7 | 53.0   |
|        | 019   | 2000-01-22 02:29:04 | -1208     | 28.7 | 53.0   |
|        | 020   | 2000-01-22 02:29:05 | -154      | 28.7 | 53.2   |
|        | 021   | 2000-01-22 02:29:06 | 12        | 28.7 | 53.2   |
|        | 022   | 2000-01-22 02:29:07 | 14        | 28.7 | 53.1   |
|        | 023   | 2000-01-22 02:29:09 | 11        | 28.7 | 53.1   |
|        | 024   | 2000-01-22 02:29:10 | 0         | 28.7 | 53.1   |

Figure 3-2

### 3.3 Data Hiding

Double click the gray area for hiding the small ID data , so you can easy see the bigger ID data.



The screenshot shows the '6710 Data Acquisition Software\_Ver1.00' window. It contains a table with the following columns: TestID, Cycle, Date & Time, Flow(l/s), T(C), and H(%RH). The table displays 21 rows of data, with TestID 01 highlighted. A callout bubble points to the 'TestID' column header, labeled 'Hided data'. At the bottom of the window, there are four buttons: 'Down Load', 'Unit', 'Save Data', and 'Close'.

| TestID | Cycle | Date & Time         | Flow(l/s) | T(C) | H(%RH) |
|--------|-------|---------------------|-----------|------|--------|
| 01     |       |                     |           |      |        |
| 02     |       |                     |           |      |        |
| 03     |       |                     |           |      |        |
| 04     |       |                     |           |      |        |
|        | 001   | 2000-01-22 03:08:08 | 11        | 28.3 | 55.2   |
|        | 002   | 2000-01-22 03:08:09 | 0         | 28.3 | 55.1   |
|        | 003   | 2000-01-22 03:08:10 | 11        | 28.2 | 55.1   |
|        | 004   | 2000-01-22 03:08:12 | 0         | 28.3 | 55.1   |
|        | 005   | 2000-01-22 03:08:13 | 0         | 28.3 | 55.1   |
|        | 006   | 2000-01-22 03:08:14 | 0         | 28.2 | 55.1   |
|        | 007   | 2000-01-22 03:08:15 | 0         | 28.3 | 55.1   |
|        | 008   | 2000-01-22 03:08:16 | 0         | 28.3 | 55.1   |
|        | 009   | 2000-01-22 03:08:18 | 0         | 28.3 | 55.1   |
|        | 010   | 2000-01-22 03:08:19 | 0         | 28.3 | 55.2   |
|        | 011   | 2000-01-22 03:08:20 | -32       | 28.3 | 55.2   |
|        | 012   | 2000-01-22 03:08:21 | 0         | 28.3 | 55.2   |
|        | 013   | 2000-01-22 03:08:23 | 0         | 28.3 | 55.7   |
|        | 014   | 2000-01-22 03:08:24 | 0         | 28.3 | 56.0   |
|        | 015   | 2000-01-22 03:08:25 | 0         | 28.3 | 56.5   |
|        | 016   | 2000-01-22 03:08:26 | 0         | 28.3 | 57.0   |
|        | 017   | 2000-01-22 03:08:27 | 0         | 28.3 | 57.3   |
|        | 018   | 2000-01-22 03:08:29 | 16        | 28.3 | 57.3   |
|        | 019   | 2000-01-22 03:08:30 | 0         | 28.3 | 57.1   |
|        | 020   | 2000-01-22 03:08:31 | 0         | 28.3 | 56.8   |
|        | 021   | 2000-01-22 03:08:32 | 0         | 28.3 | 56.5   |

Figure 3-3

### 3.4 Flow Unit switch

Click **【Unit】** to change the displayed unit and the following box will appear:

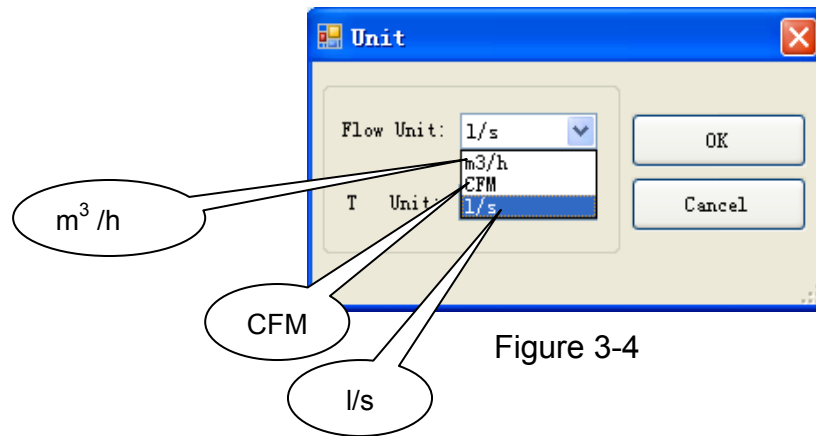


Figure 3-4

### 3.5 Temperature unit switch:

Select the temperature unit as shown below:

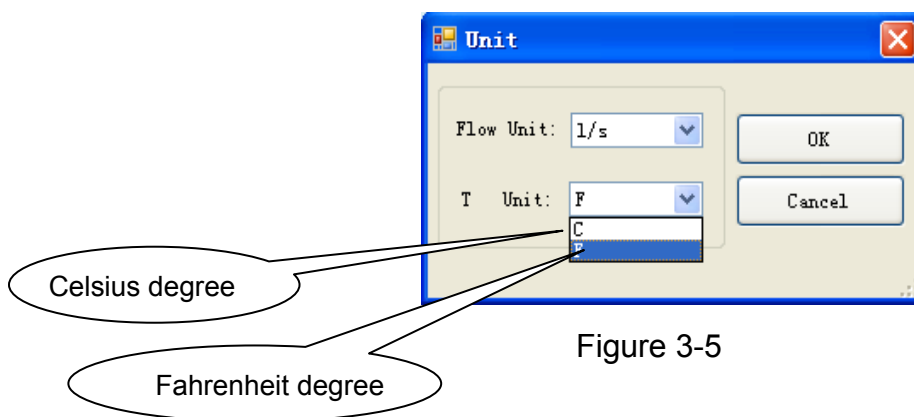


Figure 3-5

### 3.6 Data Save

Click **【Save Data】** to save the data and you will be prompted to choose a location to save the data to as figure 3-6 shown below. Select a file name and location then click save to finish saving the data.

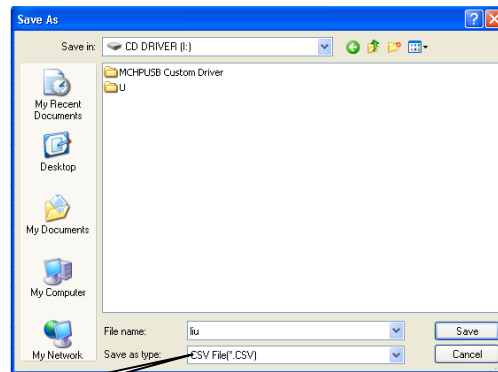


Figure 3-6

EXCEL file layout