

# **Indoor Air Quality Monitor Software**

**MODEL S221-00** 

**Operation Manual** 

Please read this operation manual carefully and understand the warnings described in this manual before operating the product. Keep this manual handy for future reference.



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|-------|
| 07.11 |

No. S221-00

All of our products have gone through inspection based on our quality assurance system prior to shipment. However, in case a defect in materials/workmanship or damage due to a transportation accident is found, please contact your local distributor, or call our service desk.

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- This manual refers to Carbon Dioxide as CO2 and Carbon Monoxide as CO.

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## **1. OVERVIEW**

## 1.1. System Overview

This software allows users to collect data from IAQ Monitor, display the data in a graph and store it as a file on a computer.

It also allows transferring the data stored in the IAQ Monitor to the computer, and storing it in a file.

Applicable Computer Requirements:

| Model                     | IBM PC compatible (DOS/V)                                     |
|---------------------------|---|
| RS232C Communication Port | To be equipped with more than one port.                       |
| OS                        | English or Japanese Windows2000 SP4, Windows XP SP1 or higher |

\* Please note that there is a possibility of operation failure when using a RS232C-USB conversion cable, depending on conditions of the computer and communication cable. For further details, please contact our service center.

## 2. INSTALLATION

### 2.1. Installation

When performing installation, make sure to log in with the user having administrative right and follow the procedure below.

- (1) Execute "Setup.exe" located in the [Japanese] [English] folder in the product CD-ROM.
- (2) Follow the directions shown on the screen.
- (3) When the installation is completed successfully, "Kanomax" will be added in the [program] of the [Start Menu].

### 2.2. Startup and Shutdown

#### To startup the IAQ Monitor software:

From the [Start Menu], click: [Program]  $\rightarrow$  [Kanomax]  $\rightarrow$  [IAQ Monitor Software]. The main screen of the IAQ Monitor software will be displayed.

#### To shutdown the IAQ Monitor software:

- Click [File]  $\rightarrow$  [Exit] form the menu.
- Click  $[\times]$  button located at the right end of the title bar of the main screen.

## 2.3. Uninstallation

- 1) Open [My Computer]  $\rightarrow$  [Control Panel]  $\rightarrow$  [Add or Remove Programs].
- 2) Select [IAQ Monitor Software] from [Setup and Delete] tub, and click [Remove] button.

## **3. GETTING STARTED**

## 3.1. Communication Setting

- Confirm COM Port Number on the computer being connected by the communication cable. (It can be confirmed by selecting [Control Panel] from Start Menu → [System] → [Device Manager].)
- 2. Confirm the baud rate on the IAQ Monitor. How to confirm is descried in the operation manual for IAQ Monitor. The default value is 9600.
- 3. Startup the software, and select [Setup] from the menu bar → [RS232C]. RS232C window shown below will be displayed. By clicking an arrow key, the setting can be changed.
- 4. For the Port Number use the same number on the computer side.
- 5. For the baud rate use the same value on the IAQ Monitor.

Other settings do not need to be changed.

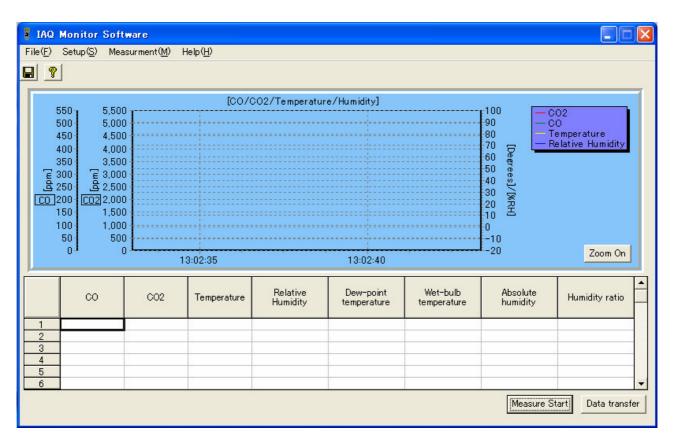
| Port      | A list of port number equipped on the computer is displayed. |
|-----------|--|
| Baud rate | Select 4800, 9600*, 19200 or 38400.                          |
| Data Bit  | Select either 7 or 8*.                                       |
| Parity    | Select Even, Odd or None*.                                   |
| Stop Bit  | Select 1*, 1.5 or 2.   |
| Flow      | Select None*, Xon/Xof, RTS or Xon/RTS.                       |

\*: values with \* are default values.

| RS232C    |      |     |
|-----------|------|-----|
|           |      |     |
| Port      | COM1 | •   |
| Baud rate | 9600 | •   |
| Data Bit  | 8    | •   |
| Parity    | None | •   |
| Stop Bit  | 1    | •   |
| Flow      | None | •   |
| OK        | Cano | cel |

### 3.2. Main Screen

Features on the main screen are described below.



#### 3.3. Menu List

#### File Menu:

Used for operations concerned with files.

| [Save as] | Stores measurement data in a CSF formatted file. |
|-----------|--|
| [Exit]    | Terminates the program.                          |

#### Setup Menu:

Used for setting various parameters.

| [RS232C] | Sets RS232C setting.             |
|----------|----------------------------------|
| [Option] | Sets the folder for stored data. |

#### **Measurement Menu:**

Used for setting various parameters for performing a measurement.

[Set] Sets the parameter for performing a measurement.

#### Help Menu:

[About IAQ Monitor Software] Displays the version information.

## 3.4. Command Button

#### **Measure Start:**

Starts sampling in accordance with the conditions set in the measurement [Set].

When starting for the second or subsequent time, a message of "Data is not saved. Does it save?" will be displayed if the former data has not been stored.

When [Yes] is clicked, a window for data storage will be displayed. Store the data.

To perform sampling, click [Measure Start] again.

When [No] is clicked, the previous data will be deleted and new sampling will start.

#### **Data Transfer:**

Transfers the data stored in the IAQ Monitor to the computer. When the button is clicked, the data stored in the IAQ Monitor will be displayed. Select the data to be transferred.

#### Zoom On (Zoom Off):

Enables enlargement of a graph. When zooming-in a graph is enabled, [Zoom Off] button will be displayed. When [Zoom Off] is selected, the enlarged graph will return to its initial size.

Please note that this enlargement function button cannot be used while performing a measurement.

#### 3.5. Graph

#### Left Axis:

Axis of "0-550 (ppm)" shows the scale of CO. Axis of "0-5500 (ppm)" shows the scale of CO2.

#### Scrolling a graph:

To scroll a graph, drag the graph to the right or left while holding down the right mouse button.

#### **Enlarging a graph:**

Select the area to be enlarged by dragging the mouse from the upper left to the right bottom while holding down the left mouse button.

When the button is released, the enlarged graph of the desired area will be displayed.

To restore the size of the graph, click anywhere on the graph and drag to the left while holding the left mouse button. Then release the button. Or click [Zoom Off] button.

Please note that this enlargement function button cannot be used while performing a measurement.

## 3.6. Option

| Option              |     |    | X      |
|---------------------|-----|----|--------|
| Option              |     |    |        |
| Save Folder of Data | C:¥ |    |        |
|                     |     |    |        |
|                     |     |    |        |
|                     |     |    |        |
|                     |     |    |        |
|                     |     |    | Crucal |
|                     |     | OK | Cancel |

Save Folder of Data: Sets the folder where the calibration result has to be saved.

Either input the folder name directly or select the folder by clicking the reference [...] button.

\* The default setting for the location where the data is to be saved is "C:¥".

## 4. MEASURING AND DATA TRANSFER

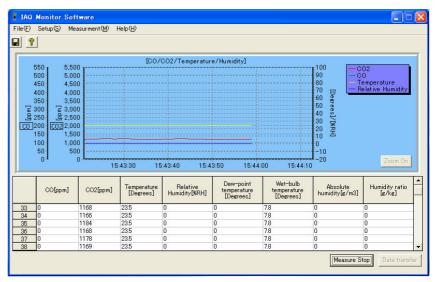
## 4.1. How to Make a Measurement

How to read data in real time when IAQ Monitor is connected to the computer is described below.

- Set the communication setting as instructed in the previous chapter. Then from the menu click [Measurement]
   → [Set].
- 2. The window like the one shown below will be displayed. Then set the setting and click [OK].

| Mode           | Choose data items to be retrieved.         | 🚦 Measure Set 🛛 🔀                            |
|----------------|--|--|
|                | [Standard Mode]: CO/CO2/Temerature/        | Mode   |
|                | Relative Humidity                          | C Standard Mode 🕞 Detailed Mode              |
|                | [Detailed Mode]: CO/CO2/Temerature/        | Sampling Time: 1sec 💌                        |
|                | Relative Humidity/Dew-point                |  |
|                | Temperature/Wet-bulb Temperature/          | Number of Data: 1000                         |
|                | Absolute Humidity/Humidity Ratio           | Graph  |
| Sampling Time  | Select 1sec, 2sec, 5sec, 10sec, 30sec or   | 🔽 CO 🔽 CO2 🔽 Temperature 🔽 Relative Humidity |
|                | 60sec.                                     |  |
|                | Data will be retrieved every selected      | OK Cancel                                    |
|                | second.                                    |  |
| Number of Data | Set the number of data to be retrieved.    |  |
|                | Select any integer number from 1 to        |  |
|                | 65500.                                     |  |
| Graph          | Select the items to be displayed in the    |  |
|                | graph when the data is retrieved.          |  |
|                | For the items that shall not be displayed, |  |
|                | uncheck the box.                           |  |

- Measuring will start after clicking [Measure Start] button located at the bottom right on the main screen. To stop measuring before it completes, click [Measure Stop] button.
- 4. When measuring is done, select [Save as...] from the menu, and save it under a new file name. The file format is CSV.
- \* The default setting for the location where the file is to be saved is "C:¥".



## 4.2. How to Transfer Data

How to transfer the measurement data stored in the IAQ monitor to a computer is described below.

- 1. Set the communication setting as instructed previously, and click [Data Transfer] button located at the right bottom of the main screen.
- 2. The window similar to the one below will be displayed. Then select the page number and the measurement mode (Standard or Detailed) of the data needed to be read, and click [Transmit] button.

| <ul> <li>Total numbers of pages 2</li> <li>Qperational mode Sampling time Number of data operational mode Date of Measurement operational mode Date of Measurement operational mode Date of Measurement operational mode 2007/10/03 11:03:46</li> <li>CALCULATION 001 005 AVG 2007/10/03 11:34:10</li> <li>CALCULATION 001 005 AVG 2007/10/03 11:34:10</li> <li>GALCULATION 001 005 AVG 2007/10/03 11:34:10</li> <li>By clicking [Data Transfer] button on the main screen, the window similar to above will be displayed.</li> <li>By clicking [Data Transfer] button on the main screen, the window similar to above will be displayed.</li> <li>When [Yes] is clicked, a window for data storage will be displayed. Store the data.</li> <li>In order to transfer data, click [Data Transfer] again.</li> <li>When [No] is clicked, the Data Transfer window will be opened.</li> <li>Shows the total number of pages stored in the main unit.</li> <li>The number of data stored in the main unit.</li> <li>Sets the page needed to be read. You can also specify it by clicking the cell in the table above.</li> <li>When "CALCULATION" data is being read, the setting value will be effective. When [Standard Mode] is selected, four data (CO / CO2 / Temperature / Relative Humidity / Bew-point Temperature / Wet-bulb Temperature / Absolute Humidity / Humidity Autio) will be transferred.</li> <li>Click to start data transfer</li> <li>Click to close this window. When data is being transferred, the data transfer will be stopped and the window will be opened to be stored.</li> </ul>   | Data    | a transfer 1)  |
|--|---------|--|
| <ul> <li>(b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c</li></ul>  | To      | tal numbers of pages 2 2)  |
| <ul> <li>2 GALCULATION 001 005 AVG 2007/10/03 11:44:10</li> <li>3) 4)</li> <li>Reading Page 5 Standard Mode 6 Detailed Mode 5)</li> <li>By clicking [Data Transfer] button on the main screen, the window similar to above will be displayed.</li> <li>Go By clicked, a window for data storage will be displayed. Store the data. In order to transfer data, click [Data Transfer] again.</li> <li>When [Yes] is clicked, the Data Transfer] again.</li> <li>When [No] is clicked, the Data Transfer window will be opened.</li> <li>Shows the total number of pages stored in the main unit.</li> <li>The number of data stored in the main unit.</li> <li>Sets the page needed to be read. You can also specify it by clicking the cell in the table above.</li> <li>When "CALCULATION" data is being read, the setting value will be effective. When [Standard Mode] is selected, four data (CO /CO2 / Temperature / Relative Humidity) will be transferred.</li> <li>When [Detailed Mode] is selected, eight data (CO /CO2 / Temperature / Relative Humidity / Dew-point Temperature / Wet-bulb Temperature / Absolute Humidity / Humidity Ratio) will be transferred.</li> <li>Click to start data transfer</li> <li>Click to close this window. When data is being transferred, the data transfer will be stopped and</li> </ul>  |         | Operational mode Sampling time Number of data operational mode Date of Measurement   |
| <ul> <li>3) 4)</li> <li>Reading Page 1 Standard Mode Detailed Mode 5)</li> <li>By clicking [Data Transfer] button on the main screen, the window similar to above will be displayed.</li> <li>Glose 6)</li> <li>By clicking [Data Transfer] button on the main screen, the window similar to above will be displayed.</li> <li>When [Yes] is clicked, a window for data storage will be displayed. Store the data.</li> <li>In order to transfer data, click [Data Transfer] again.</li> <li>When [No] is clicked, the Data Transfer window will be opened.</li> <li>Shows the total number of pages stored in the main unit.</li> <li>The number of data stored in the main unit.</li> <li>Sets the page needed to be read. You can also specify it by clicking the cell in the table above.</li> <li>When "CALCULATION" data is being read, the setting value will be effective. When [Standard Mode] is selected, four data (CO / CO2 / Temperature / Relative Humidity) will be transferred.</li> <li>When [Detailed Mode] is selected, eight data (CO / CO2 / Temperature / Relative Humidity / Dew-point Temperature / Wet-bulb Temperature / Absolute Humidity / Humidity Ratio) will be transferred.</li> <li>Click to start data transfer</li> <li>Click to close this window. When data is being transferred, the data transfer will be stopped and</li> </ul> |         |  |
| <ul> <li>Transmit Close</li> <li>By clicking [Data Transfer] button on the main screen, the window similar to above will be displayed.</li> <li>When [Yes] is clicked, a window for data storage will be displayed. Store the data.</li> <li>In order to transfer data, click [Data Transfer] again.</li> <li>When [No] is clicked, the Data Transfer] again.</li> <li>When [No] is clicked, the Data Transfer window will be opened.</li> <li>Shows the total number of pages stored in the main unit.</li> <li>The number of data stored in the main unit.</li> <li>Sets the page needed to be read. You can also specify it by clicking the cell in the table above.</li> <li>When "CALCULATION" data is being read, the setting value will be effective. When [Standard Mode] is selected, four data (CO /CO2 / Temperature / Relative Humidity) will be transferred.</li> <li>When [Detailed Mode] is selected, eight data (CO / CO2 / Temperature / Relative Humidity / Dew-point Temperature / Wet-bulb Temperature / Absolute Humidity / Humidity Ratio) will be transferred.</li> <li>Click to start data transfer</li> <li>Click to close this window. When data is being transferred, the data transfer will be stopped and</li> </ul>  |         | 3) 4)  |
| <ul> <li>6)</li> <li>By clicking [Data Transfer] button on the main screen, the window similar to above will be displayed.</li> <li>When [Yes] is clicked, a window for data storage will be displayed. Store the data.</li> <li>In order to transfer data, click [Data Transfer] again.</li> <li>When [No] is clicked, the Data Transfer window will be opened.</li> <li>1) Shows the total number of pages stored in the main unit.</li> <li>2) The number of data stored in the main unit.</li> <li>3) Sets the page needed to be read. You can also specify it by clicking the cell in the table above.</li> <li>4) When "CALCULATION" data is being read, the setting value will be effective. When [Standard Mode] is selected, four data (CO /CO2 / Temperature / Relative Humidity) will be transferred.</li> <li>When [Detailed Mode] is selected, eight data (CO / CO2 / Temperature / Relative Humidity / Dew-point Temperature / Wet-bulb Temperature / Absolute Humidity / Humidity Ratio) will be transferred.</li> <li>5) Click to start data transfer</li> <li>6) Click to close this window. When data is being transferred, the data transfer will be stopped and</li> </ul>   |         | Reading Page 1 C Standard Mode   Detailed Mode  5)   |
| <ul> <li>By clicking [Data Transfer] button on the main screen, the window similar to above will be displayed.</li> <li>If the measured data has not been stored, a message of "Data is not saved. Does it save?" will b displayed.</li> <li>When [Yes] is clicked, a window for data storage will be displayed. Store the data.</li> <li>In order to transfer data, click [Data Transfer] again.</li> <li>When [No] is clicked, the Data Transfer window will be opened.</li> <li>1) Shows the total number of pages stored in the main unit.</li> <li>2) The number of data stored in the main unit.</li> <li>3) Sets the page needed to be read. You can also specify it by clicking the cell in the table above.</li> <li>4) When "CALCULATION" data is being read, the setting value will be effective. When [Standard Mode] is selected, four data (CO /CO2 / Temperature / Relative Humidity) will be transferred.</li> <li>4) When [Detailed Mode] is selected, eight data (CO / CO2 / Temperature / Relative Humidity / Dew-point Temperature / Wet-bulb Temperature / Absolute Humidity / Humidity Ratio) will be transferred.</li> <li>5) Click to start data transfer</li> <li>6) Click to close this window. When data is being transferred, the data transfer will be stopped and</li> </ul>   |         | Transmit Close   |
| <ul> <li>By clicking [Data Transfer] button on the main screen, the window similar to above will be displayed.</li> <li>If the measured data has not been stored, a message of "Data is not saved. Does it save?" will b displayed.</li> <li>When [Yes] is clicked, a window for data storage will be displayed. Store the data.</li> <li>In order to transfer data, click [Data Transfer] again.</li> <li>When [No] is clicked, the Data Transfer window will be opened.</li> <li>1) Shows the total number of pages stored in the main unit.</li> <li>2) The number of data stored in the main unit.</li> <li>3) Sets the page needed to be read. You can also specify it by clicking the cell in the table above.</li> <li>4) When "CALCULATION" data is being read, the setting value will be effective. When [Standard Mode] is selected, four data (CO /CO2 / Temperature / Relative Humidity) will be transferred.</li> <li>4) When [Detailed Mode] is selected, eight data (CO / CO2 / Temperature / Relative Humidity / Dew-point Temperature / Wet-bulb Temperature / Absolute Humidity / Humidity Ratio) will be transferred.</li> <li>5) Click to start data transfer</li> <li>6) Click to close this window. When data is being transferred, the data transfer will be stopped and</li> </ul>   |         |  |
| <ul> <li>By clicking [Data Transfer] button on the main screen, the window similar to above will be displayed.</li> <li>If the measured data has not been stored, a message of "Data is not saved. Does it save?" will b displayed.</li> <li>When [Yes] is clicked, a window for data storage will be displayed. Store the data.</li> <li>In order to transfer data, click [Data Transfer] again.</li> <li>When [No] is clicked, the Data Transfer window will be opened.</li> <li>1) Shows the total number of pages stored in the main unit.</li> <li>2) The number of data stored in the main unit.</li> <li>3) Sets the page needed to be read. You can also specify it by clicking the cell in the table above.</li> <li>4) When "CALCULATION" data is being read, the setting value will be effective. When [Standard Mode] is selected, four data (CO /CO2 / Temperature / Relative Humidity) will be transferred.</li> <li>4) When [Detailed Mode] is selected, eight data (CO / CO2 / Temperature / Relative Humidity / Dew-point Temperature / Wet-bulb Temperature / Absolute Humidity / Humidity Ratio) will be transferred.</li> <li>5) Click to start data transfer</li> <li>6) Click to close this window. When data is being transferred, the data transfer will be stopped and</li> </ul>   |         |  |
| <ol> <li>The number of data stored in the main unit.</li> <li>Sets the page needed to be read. You can also specify it by clicking the cell in the table above.</li> <li>When "CALCULATION" data is being read, the setting value will be effective. When [Standard Mode] is selected, four data (CO /CO2 / Temperature / Relative Humidity) will be transferred.<br/>When [Detailed Mode] is selected, eight data (CO / CO2 / Temperature / Relative Humidity / Dew-point Temperature / Wet-bulb Temperature / Absolute Humidity / Humidity Ratio) will be transferred.</li> <li>Click to start data transfer</li> <li>Click to close this window. When data is being transferred, the data transfer will be stopped and</li> </ol>   | W<br>In | /hen [Yes] is clicked, a window for data storage will be displayed. Store the data.<br>a order to transfer data, click [Data Transfer] again.  |
| <ol> <li>Sets the page needed to be read. You can also specify it by clicking the cell in the table above.</li> <li>When "CALCULATION" data is being read, the setting value will be effective. When [Standard Mode] is selected, four data (CO /CO2 / Temperature / Relative Humidity) will be transferred. When [Detailed Mode] is selected, eight data (CO / CO2 / Temperature / Relative Humidity / Dew-point Temperature / Wet-bulb Temperature / Absolute Humidity / Humidity Ratio) will be transferred.</li> <li>Click to start data transfer</li> <li>Click to close this window. When data is being transferred, the data transfer will be stopped and</li> </ol>  | 1)      | Shows the total number of pages stored in the main unit.   |
| <ul> <li>4) When "CALCULATION" data is being read, the setting value will be effective. When [Standard Mode] is selected, four data (CO /CO2 / Temperature / Relative Humidity) will be transferred. When [Detailed Mode] is selected, eight data (CO / CO2 / Temperature / Relative Humidity / Dew-point Temperature / Wet-bulb Temperature / Absolute Humidity / Humidity Ratio) will be transferred.</li> <li>5) Click to start data transfer</li> <li>6) Click to close this window. When data is being transferred, the data transfer will be stopped and</li> </ul>  | /       |  |
| <ul> <li>Mode] is selected, four data (CO /CO2 / Temperature / Relative Humidity) will be transferred.</li> <li>When [Detailed Mode] is selected, eight data (CO / CO2 / Temperature / Relative Humidity / Dew-point Temperature / Wet-bulb Temperature / Absolute Humidity / Humidity Ratio) will be transferred.</li> <li>5) Click to start data transfer</li> <li>6) Click to close this window. When data is being transferred, the data transfer will be stopped and</li> </ul>   |         |  |
| 6) Click to close this window. When data is being transferred, the data transfer will be stopped and   |         | Mode] is selected, four data (CO/CO2 / Temperature / Relative Humidity) will be transferred.<br>When [Detailed Mode] is selected, eight data (CO / CO2 / Temperature / Relative Humidity /<br>Dew-point Temperature / Wet-bulb Temperature / Absolute Humidity / Humidity Ratio) will be |
|  | 5) (    | Click to start data transfer   |
|  |         | Click to close this window. When data is being transferred, the data transfer will be stopped and the window will be closed.   |

3. When the window to set the destination of the file to save will be displayed, save it under a new file name. The file will be saved in CSV format. The default setting for the location where the file is to be saved is "C:¥"

## 5. HELP

| IAQ M                | onitor Software  |             |
|----------------------|--|-------------|
|                      | IAQ Monitor Software   |             |
|                      | Version 1.0.1  |             |
|                      | Copyright (C) 2004 KANOMAX JAPAN Inc. All Rights Reserved.   |             |
| Unautho<br>it, may r | this computer program is protected by copyright law and international treaties<br>rized reproduction or distribution of the program in any form, or any portion of<br>esult in severe civil and criminal penalties and will be prosecuted to the fullest<br>f the law. | [OK         |
|                      |  | System Info |

By selecting [Help]  $\rightarrow$  [About IAQ Monitor Software], the above window will be displayed.

## 6. FILE DESCRIPTION

Sampled data and transferred data can be stored with a random file name.

#### 6.1. Sampled Data Storage File

File Name: random file name.csv

Content

Format: CSV file format text file Date,2004/02/24 Time,12:00:00 Data,9999 Sampling Time,1 Mode,NORMAL Atmos.Pressure,1013 CO,CO2,Temperature., Relative humidity(, Dew-point temperature, Wet-bulb temperature, Absolute humidity,Humidity ratio) ppm,pc,%RH(,°C, °C,g/m3,g/kg)

#### AAAAAA, BBBBBB, TTTTT, HHHHHH(, WWWWWW, XXXXX, YYYYY, ZZZZZZ)

#### AAAAAA,BBBBBB,TTTTTT,HHHHHH(,WWWWWW,XXXXX,YYYYYY,ZZZZZZ)

Depending on the sampling mode, when standard mode is selected, four data (CO/CO2/Temperature/ Relative humidity) will be saved. When detailed mode is selected, eight data (CO/CO2/Temperature/ Relative humidity/Dew-point temperature/Wet-bulb temperature/Absolute humidity/Humidity ratio) will be saved in the file.

AAAAAA:CO TTTTTT: Temperature WWWWWW: Dew-point temperature YYYYYY: Absolute humidity BBBBBB:CO2 HHHHHH: Relative Humidity XXXXXX: Wet-bulb temperature ZZZZZ: Humidity ratio

### 6.2. Transferred Data Storage File

File Name: random file name.csv

Content

Format: CSV file format text file

[Calculation] data Date,2004/02/24 Time,12:00:00 Data,9999 Sampling Time,1 Mode,CALCULATION(INS) Atmos.Pressure,1013 CO,CO2,Temperature., Relative humidity(, Dew-point temperature, Wet-bulb temperature, Absolute humidity, Humidity ratio) ppm,ppm,°C,%RH(,°C,°C,g/m3,g/kg)

#### AAAAAA, BBBBBB, TTTTT, HHHHHH(, WWWWW, XXXXX, YYYYY, ZZZZZZ)

## AAAAAA,BBBBBB,TTTTTT,HHHHHH(,WWWWW,XXXXX,YYYYYY,ZZZZZZ)

Depending on the sampling mode, when standard mode is selected, four data (CO/CO2/Temperature/ Relative humidity) will be saved. When detailed mode is selected, eight data (CO/CO2/Temperature/ Relative humidity/Dew-point temperature/Wet-bulb temperature/Absolute humidity/Humidity ratio) will be saved in the file.

AAAAAA:CO TTTTTT: Temperature WWWWWW: Dew-point temperature YYYYYY: Absolute humidity BBBBBB:CO2 HHHHHH: Relative humidity XXXXXX: Wet-bulb temperature ZZZZZ: Humidity ratio

[%OA] data

Date,2004/02/24 Time,12:00:00 Data,9999 Sampling Time,1 Mode,%OA(CO2) Atmos.Pressure,1013 Return\_Air,Supply\_Air,Outdoor\_Air,Percent\_Outdoor\_Air ppm,ppm,ppm,%OA

CCCCCCC,DDDDDDD,EEEEEEE,FFFFFFF

CCCCCCC,DDDDDDD,EEEEEEE,FFFFFFF

CCCCCCC: Return Air EEEEEEE: Outdoor Air

DDDDDDDD: Supply Air FFFFFFF: Percent Outdoor Air

## 6.3. IAQ.INI File

Data such as parameters necessary for starting up the software is stored. **Caution! If this file is deleted, the software will be initialized.** 

\* Please be noted that deleting or modifying any files except CSV formatted files in "C:¥Kanomax¥IAQMonitor" may cause malfunctioning of the software.

## 7.TROUBLESHOOTING

### 7.1. Startup of RS232C setup window is slow.

The setup window is displayed after searching for RS232C port equipped to the computer. Since the required time is dependent on factors such as the computer's processing speed, please wait for the window to be displayed.

### 7.2. Operation failure under Windows 9x systems or Windows NT.

The operation of this software is guaranteed only for running under Windows 2000/XP. Please prepare a Windows 2000/XP computer for proper use.

### 7.3. Communication error message is displayed.

Confirm the communication setting.  $(P.3-1)_{\circ}$ Reconfirm that the computer and the IAQ monitor are connected by a communication cable. After making proper connection, close the software and reboot.

For other failures, please contact your local distributor or our service center.

## 8. CONTACT INFORMATION



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