WinCT-AD1687

Ver. 1.00

AD1687 Easy Graphing Tool

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Instruction Manual

Contents

1. Outline

"WinCT-AD1687" (this software) uses an Excel macro program to automatically graph data logged by A&D's weighing environment logger AD-1687 (hereby referred to as "AD-1687")

Precautions:

・ Before using "WinCT-AD1687", please be sure to back up any important data on your computer.

・Regarding computers or software besides "WinCT-AD1687", please contact the original manufacturer.

2. Terms of Use Agreement

・ Copying "WinCT-AD1687" without A&D's permission is prohibited.

・ Specifications for "WinCT-AD1687" may change without notice.

・ All rights to "WinCT-AD1687" belong to A&D.

・ "WinCT-AD1687" is used for graphing data from the AD-1687.

・ "WinCT-AD1687" can only be installed and used on the graphing computer's hard disk or other memory device.

・ A&D bears no liability for direct, indirect, special, incidental, or consequential damages resulting from any defect in the WinCT-AD1687 program or the readme file, even when advised of the possibility of such damage. A&D is not responsible for any assertions of rights by third parties. A&D is not responsible or liable for the loss of any programs and/or data stored in the computer on which WinCT-AD1687 is installed, including the costs of recovering said lost programs or data.

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A&D Company, Limited

3. Items to Prepare

3.1 AD-1687

Have the included PC connector mini-B type USB cable ready.

3.2 Computer

A computer capable of operating Microsoft Excel 2000/2002/2003/2007/2010 without issue.

Please ready a copy of Excel as well.

4. Transmission Preparation

Step 1   Use the included PC connector USB cable to connect the computer to the AD-1687.

Step 2   The AD-1687's screen will change to the USB setting screen,
so select "CSV FILE" and hit ENTER.
The computer will recognize   the device as
a removable disk (like it recognizes a USB memory device).

Fig.1

5. Instructions for Graphing

Step 1   Start WinCT-AD1687
If using Excel 2000 to 2003
run WinCT-AD1687 (EN) _2000_2003_V1.00.xls
If using Excel 2007, 2010
run WinCT-AD1687 (EN) _2007_2010_V1.00.xlsm

Step 2-a Enable macros (for Excel 2000)
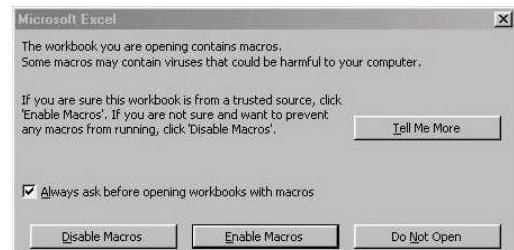When a window like that shown in Fig.2 appears,
click "enable macros".

Fig.2

Step 2-b Enable macros (for Excel 2010)
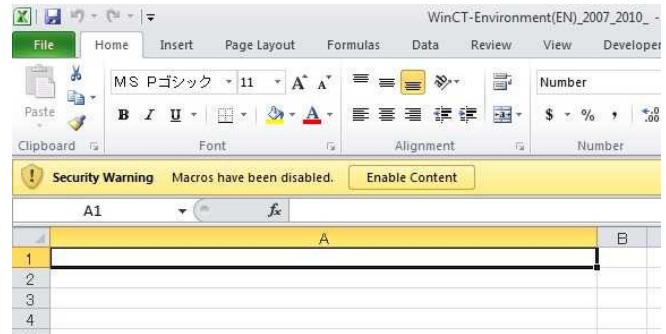If a window like that in Fig.3 appears,
click "Enable Content".

Fig.3

Step 3 Main menu display
A menu like that shown in Fig.4 will be displayed.

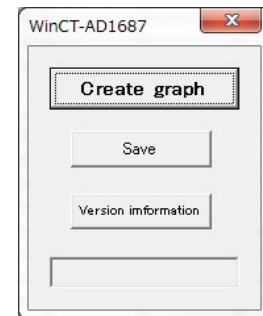* If the main menu doesn't appear, please refer to
"8. Displaying the Main Menu".

Fig.4

Step 4 Graphing
Click "Create graph" in the main menu.

Step 5 Select the csv file to graph
Select the csv file to graph and
click "Open".
It's possible to select directly from
the removable disk (AD-1687).
Also, it's possible to select from
the csv files of the AD-1687 stored
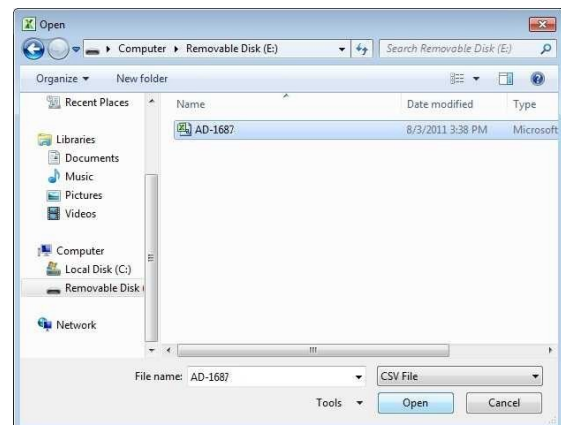in advance in your memory device
of choice.

Fig.5

Step 6   Reset the worksheet
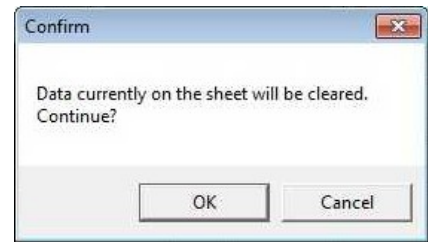A window like that in Fig.6 will come up,
so click "OK".

Fig.6

Step 7   Conclude graphing
Graphing can take anywhere from 30 seconds to a few minutes.
The graph processing depends on PC performance and data amount
When the graphing concludes, a window like that in Fig.7 will be
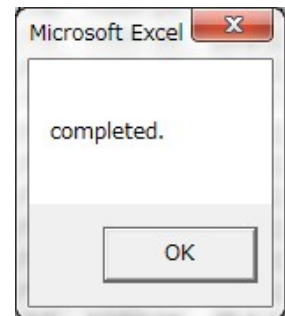displayed, so click "OK".

Fig.7

6. Graph

6.1 Explanation of the Graph Created

Graph 1

・Temperature (red, left axis)

・Humidity (green, left axis)

・Barometric pressure (blue, right axis)

・The horizontal line shows date/time.

・The upper left displays each
  minimum and maximum.
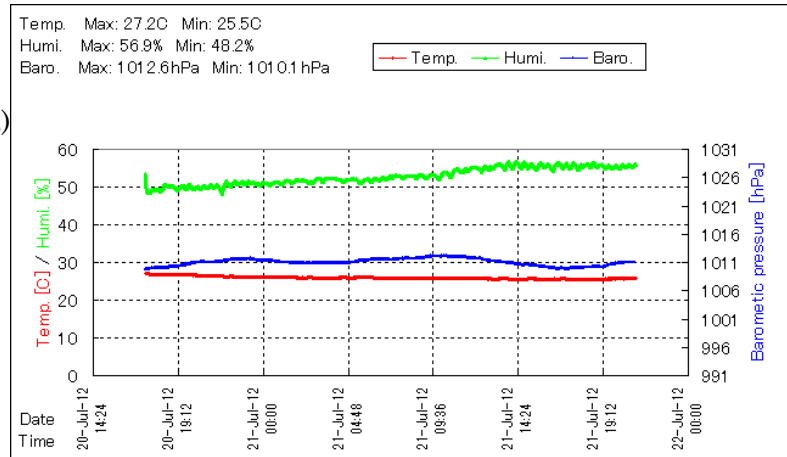
Fig.8

Graph 2

・Temperature (red, left axis)

・Humidity (green, left axis)

・Vibration (gray, right axis)

・The horizontal line shows date/time.
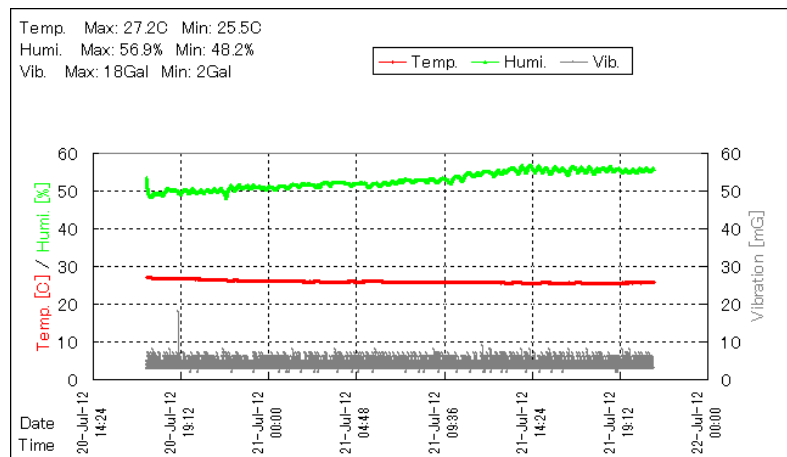
・The upper left displays each
  minimum and maximum.

Fig.9

Graph 3　* Only displayed when weighing data is available.

・Temperature (red, left axis)

・Humidity (green, left axis)

・Weighed value (black, right axis)

・The horizontal line shows date/time.

・The upper left displays each
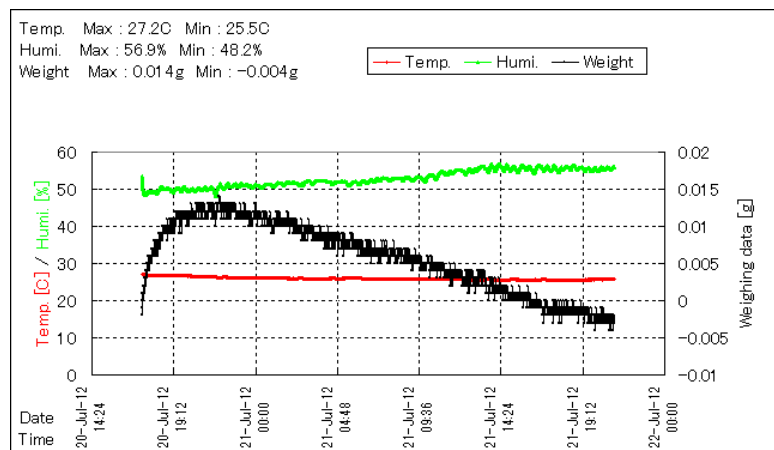 minimum and maximum.

Fig.10

6.2 How to adjust the graph axes

Step 1   Double-click the value displayed on the axle you wish to change.
         The "axle format settings" window appears.

Step 2   Please click the "scale" tab.
         Input the desired values for minimum,
         maximum, and scale intervals and press OK.

         To change the time axis (horizontal axis),
         input "year/month/day_hours:minutes"
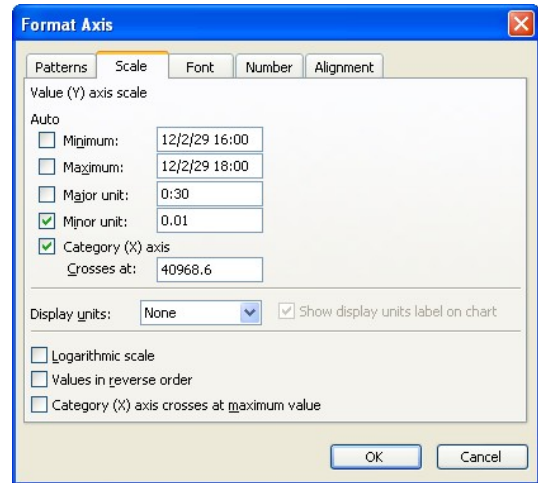   as shown in Fig.11
         * _ is a space.

Fig.11

7. Saving

Step 1   Click "save" in the main menu.
         ※If the main menu does not display, refer to "8. Displaying the Main Menu".

Step 2   Setting the save destination
         Choose the save destination,
         input the file name, and click "Save".

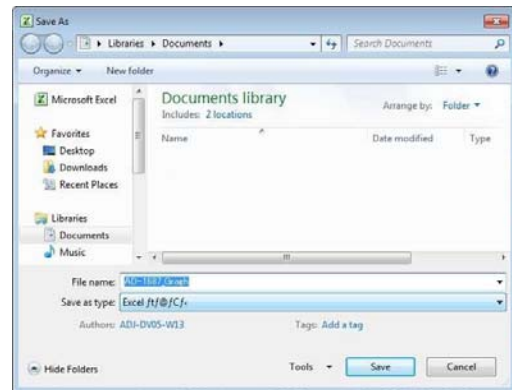   * Macro programs will not be
         included in the saved data.

Fig.12

8.a Displaying the Main Menu (for Excel 2000)

Step 1   Displaying macros

In the EXCEL menu, click "Tools", then "Macros", then "Macros".
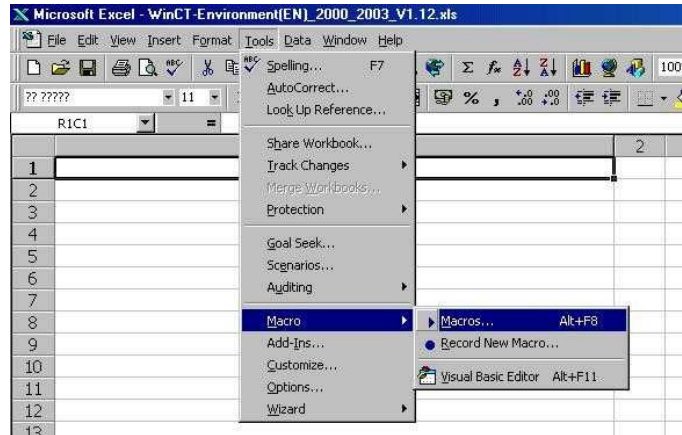

Fig.13

Step 2   Executing a macro
Select "Analysis" and then
click "Run".

The main menu will be displayed.

Fig.14

8.b Displaying the Main Menu (for Excel 2010)

Step 1   Displaying macro shortcut keys

If macros are not displayed in the Excel menu, right click on the menu tab,
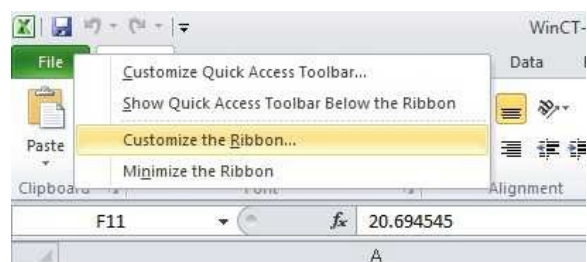and then click on "Customize Quick Access Toolbar".

Fig.15

Step 2   Select "Customize the Ribbon", then check "Developer" in the main tab on the right side, then click "OK".
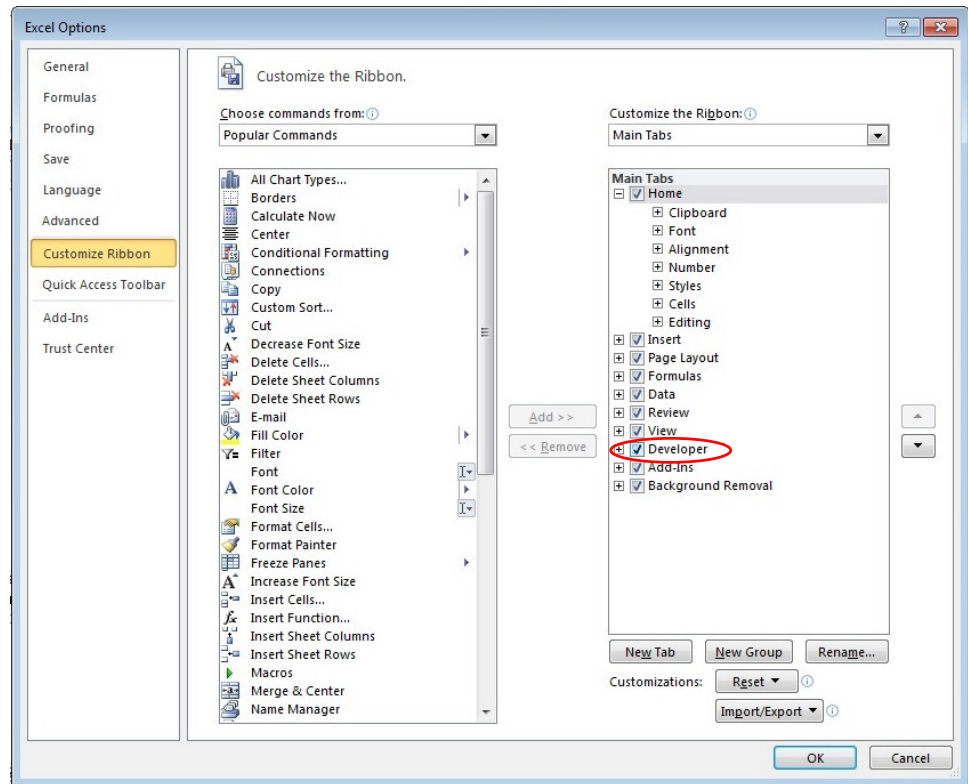

Fig.16

Step 3   Click the "Developer" menu tab, then click "Macros"

Step 4   Run the macro
          Select "Analysis" and then click "Run"
          The main menu will be displayed.

Fig.17

This concludes the WinCT-AD1687 instruction manual.