

Data Logger Software **DL2005** for Thermometer **TC-3200** Instruction Manual

Thank you for purchasing our Data logger software DL2005 for Thermometer TC-3200. Please read this instruction manual carefully before using to ensure the correct usage of this software. **Please keep this instruction manual for future reference.**

⚠ Attention

- Do not damage the surface of CD-ROM.
- Do not store the CD-ROM where it can be exposed to direct sunlight, dust, high temperature and high humidity.
- Do not copy or modify this software without our approval.

Specification

Maximum number of acquisition data: 1,600 File format: dat

System Requirement

OS: Windows Vista/7/8/8.1 (Japanese version or English version)
CD-ROM Drive or DVD-ROM Drive
VGA Display 640 x 480 or higher screen resolution

Installation Procedure

- 1) Run "Setup.exe" in the CD-ROM and follow the instructions in the installation wizard.

- 2) Install the software into "Program Files(x86)" folder or other folder you like. **<In the case it was installed in "Program Files(x86)" folder>** It is necessary to click the right button and choose "Run as administrator" when running the software.

How to change the property compatibility to avoid clicking the right button every time

- 1) Open "Properties" window by clicking the right button on the software and choosing "Properties".
- 2) Click "Compatibility" tab in the Properties window.
- 3) Check the option "Run this program as an administrator" in "Privilege Level" section.
- 4) Click "OK" to save the change.

<In the case it is installed in other folder by choosing "Change Directory" when installing.>

Run the software in accordance with usual procedure.

Uninstallation Procedure

- 1) Close the software before uninstalling if the software is running.
- 2) Open "Control Panel" window from Start menu.
- 3) Open "Programs and Features" or "Uninstall a program" on "Control Panel".
- 4) Choose "DL2005" and click the "Uninstall" button.

1. Operation Procedures

Before running the software,

- Install the driver from CD-ROM supplied with the USB cable USB-01 into the PC when the USB cable is connected to the PC.
- Insert the thermocouple probes into the sockets of TC-3200.
- Connect TC-3200 to the PC through the USB cable USB-01.
- Choose "PHOTO" on the switch of USB cable.

(1) Preparation

Press [POWER/ESC] Button on TC-3200 for at least 5 seconds until the sub display shows "r232".

(2) Run the software

<In the case it is installed in "Program Files(x86)" folder>

- 1) Open C:/Program files/DL2005/ folder from Start menu.
- 2) Click the right button on the software.
- 3) Choose "Run as administrator".
If the property compatibility is changed, double click on the software to run the software.

4) The software screen will appear on the display.

<In the case it is installed in other folder by choosing "Change Directory" when installing.>

- 1) Open the folder the software was installed.
- 2) Double click on the software to run the software.
- 3) The software screen will appear on the display.
- (3) **Select the COM port**
Select the COM port the USB cable USB-01 is connected to. More detailed information can be found in the manual of USB-01.
- (4) **Start acquiring the data**
Click "START" button on the software screen.
Click "YES" button when "Data File Check" appears on the display.
- (5) **Send out data from TC-3200**
Press [POWER/ESC] Button on TC-3200 once.
The sub display will show "SEnd" and the storage data will be sent out from the "RS-232 output terminal"
- (6) **View the data**
Click "View Data" button on the software screen to view the acquired data.
- (7) **Finish acquiring the data**
Press [FUNCTION] Button on TC-3200 to exit the Data Sending function.
- (8) **Save the acquired data**
The acquired data is saved in the "DL2500" folder automatically. The file name will be YYMMDD.dat.
(YY=Year, MM=Month, DD= Date)

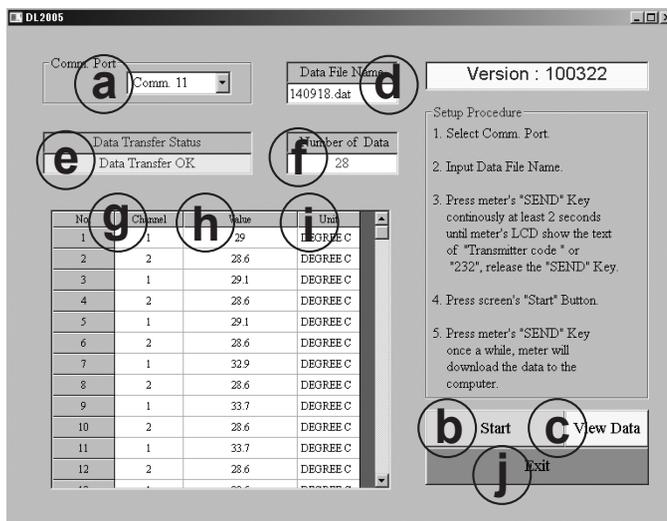
The data will be overwritten on the same file when saving the data on the same date repeatedly.

Copy the saved file in other folder before acquiring the new data if you do not want to overwrite.

(9) Close the software

Click "Exit" button or the close button to close the software.

2. Software Screen



- (a) **Comm.Port:** Select the COM port.
- (b) **Start:** Start acquiring the data.
- (c) **View Data:** View the data.
- (d) **Data File Name:** The file name that the acquired data is saved currently
- (e) **Data Transfer Status:** Current status of acquisition process
- (f) **Number of data:** The number of acquired data
- (g) **Channel:** The no. of thermocouple probe in the dual channel measurement.
- (h) **Value:** Measured temperature
- (i) **Unit:** Measurement unit (Degree C)
- (j) **Exit:** Close the software

3. Importing the dat file into Microsoft Excel*

- 1) Run Microsoft Excel
- 2) Choose "File" > "Open" from the menu bar.
- 3) Select "All files" in the dropdown list.
- 4) Choose the dat file you want to import and click "Open" button.
- 5) Text Import Wizard will open.
- 6) Choose "Delimited" and click "Next" button.
- 7) Choose "Comma" and click "Finish" button.

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