

HAKKO Installing the software

1 Software

- The contents of this manual are subject to change without notice.
- The specifications of this software are subject to change without notice due to improvements.
- Reproducing or copying this document, in whole or in part, is prohibited.

2 Trademarks

System names, product names, and service names on this document are generally registered trademarks or trademarks of their respective developers.

This document does not include TM, (R) marks.

3 Disclaimers

We will assume that, by downloading and installing this software, the customer has agreed to the following disclaimers.

- We will bear no responsibility for any claims for losses, lost earnings, or claims by third parties due to operation of this software.
- We will bear no responsibility for any problems that result through download and installation of this software.
- The company retains all property rights, ownership rights, intellectual property rights, etc. related to this software.

4 Installing the Software

- (1) Double-click the CD-ROM or the downloaded software.
File name: HAKKOControlSoftwareSetup X.X.X.X.exe
- (2) Select the language and click [OK].
- (3) After checking the License Agreement, select [I accept the agreement] and click [Next].

Figure 1-1

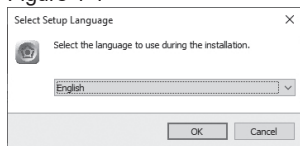
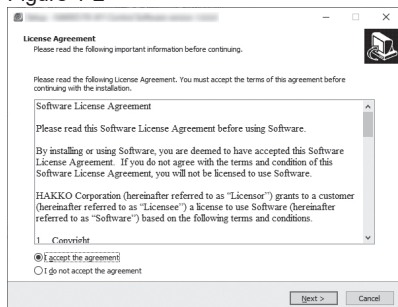


Figure 1-2



- (4) From here, follow the instructions on the screen.
- (5) The software will automatically launch when the installation is completed. (Figure 1-3)
- (6) Click [Exit] to exit the software. (Figure 1-4/1-5)

Figure 1-3



Figure 1-4

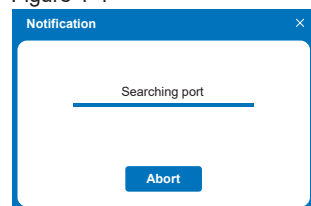
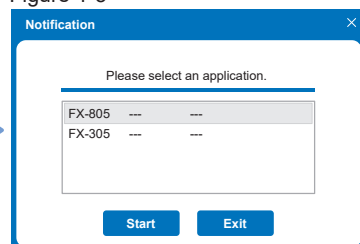


Figure 1-5

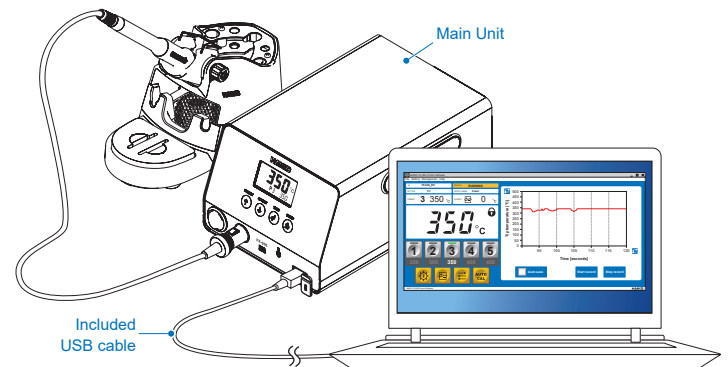


5 Connecting to a PC

- (1) Connect the main unit to a PC with the included USB cable.
- (2) Place the handpiece on the iron holder.
- (3) Connect the main unit and the handpiece.
- (4) Turn the main unit power switch ON.
- (5) Launch the software.

If [- -] appears on the display as shown in the right figure even after the PC is connected, turn OFF the main unit power switch and then turn it ON again.

NOTE Do not use a USB cable that is more than two meters long.



6 Software Updates

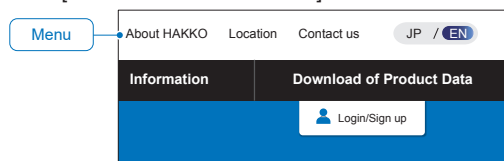
Follow the instructions below to download the latest software.

- (1) Go to [Customer Support > support and services > login and new user registration] on the HAKKO website.



https://www.hakko.com/doc_support-e

- (2) Log in, or create an account.
- (3) Click [My page (Product registration from here)] to register the product.
- (4) Click [Download of Product Data] under the menu.



- (5) Select [Software] under the various resource search options.
- (6) Input the product name as the keyword.
- (7) Select the language and click [Search with these conditions].
- (8) Click [Download] in the search results.



HAKKO CORPORATION
HEAD OFFICE

4-5, Shiokusa 2-chome, Naniwa-ku, Osaka 556-0024 JAPAN
TEL: +81-6-6561-3225 FAX: +81-6-6561-8466
<https://www.hakko.com> E-mail: sales@hakko.com

OVERSEAS AFFILIATES

U.S.A.: AMERICAN HAKKO PRODUCTS, INC.

TEL: (661) 294-0090 FAX: (661) 294-0096
Toll Free (800) 88-HAKKO
<https://www.HakkoUSA.com> E-mail: Support@HakkoUSA.com

HONG KONG: HAKKO DEVELOPMENT CO., LTD.

TEL: 2811-5588 FAX: 2590-0217
<https://www.hakko.com.cn> E-mail: info@hakko.com.hk

SINGAPORE: HAKKO PRODUCTS PTE., LTD.

TEL: 6748-2277 FAX: 6744-0033
<https://www.hakko.com.sg> E-mail: sales@hakko.com.sg

Please access the code for overseas distributors.
https://www.hakko.com/doc_network



© 2022 HAKKO Corporation. All Rights Reserved.
Company and product names are trademarks or registered trademarks of their respective companies.

2022.07
96.0005-003

1. Menu

File

Port selection

Used to manually select Port Number.

Exit

Used when exiting software.

Setting

Language: Japanese/English/Chinese

Select one of these languages.

Display temperature unit: °C/°F

Select the unit for temperature.

Select application

Select the unit.

Management

File storage location:
Parameter setting file/
Automatic calibration result file/
Tip sensor temperature monitor file

Select where files are saved.

NOTE

By default, files are saved in the same location as software folder.

Tip sensor temperature monitor auto save: ON/OFF

When set to [ON], the Tip sensor temperature will be recorded constantly and saved as CSV file.

NOTE

Default is OFF.

Tip sensor temperature monitor file split interval (minutes): 1 to 120

Segments CSV files into multiple files based on minutes.

NOTE

Default is 5 min.

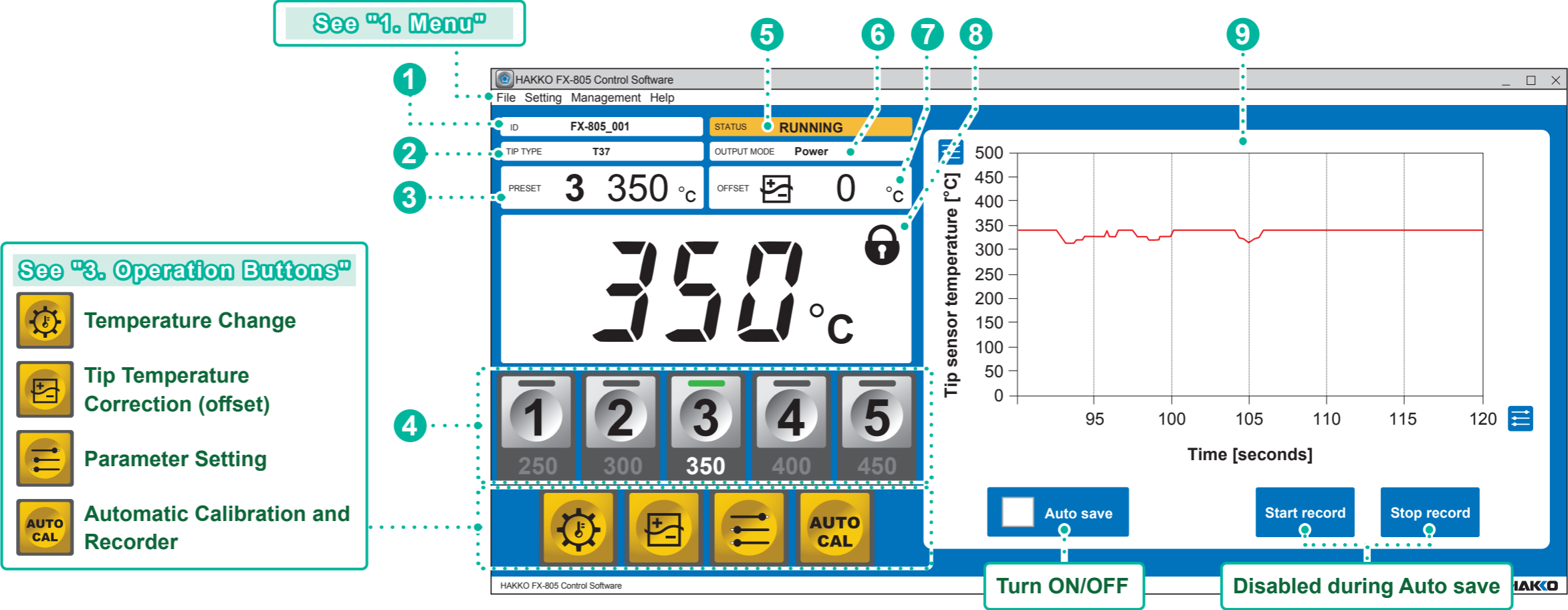
Help

Connection unit version information

Shows the connection unit firmware version.

Version information

2. Screen Description



Connection unit name is displayed.

- 1
- The connection unit can be named in the Parameter Setting button under the section [ID].

The tip type in use is displayed.

- 2
- The tip type will update automatically based on the tip.

The Setting Temp status is displayed.

- Manual inputing temperature displays [SET TEMP]
- Presets temperature displays [PRESET] and the preset number.

SET TEMP 350 °C

350 °C

Connection unit display

This can be done through the Temperature Change button.

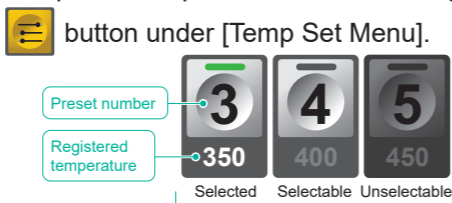
PRESET 3 350 °C

350 °C

Connection unit display

You can change the Setting Temp manually or by selecting one of the preset temperature buttons.

The temperature registered for each preset number is displayed. The preset temperatures can be changed in the Parameter Setting button under [Temp Set Menu].



The preset temperature selection status is shown by the button color.

- Factory default setting temperatures:
- No.1: 250°C (600°F)
- No.2: 300°C (700°F)
- No.3: 350°C (750°F)
- No.4: 400°C (800°F)
- No.5: 450°C (850°F)

Why are some buttons unselectable?

[Preset 5 ON/OFF] is set to [OFF] under the [Temp Set Menu] of the button.

The operating status of the connection unit is displayed.

RUNNING

Operating normally

SLEEP

Sleep state

SHUT OFF

Time specified in the ShutOff Menu has elapsed

SENSOR ERROR

Tip heating element/sensor not detected

GRIP ERROR

Inapplicable handpiece connected or the handpiece is disconnected

NO CONNECTION

Connection unit is turned OFF or the main unit is not connected to the PC

HEATERSHORT ERROR

Inapplicable tip inserted

ZEROCROSS ERROR

Power supply abnormality or the main unit is damaged

TIP DETECTION ERROR

Inapplicable tip detected

The selected output mode is displayed.

- 6
- The mode can be changed in the Parameter Setting button under [Output mode setting].

The correction value (offset value) is displayed.

- 7
- The offset can be changed using the Tip Temperature Correction button or the Automatic Calibration and Recorder button.

Displayed when the parameter setting change is locked.

- 8
- This can be locked/unlocked in the Parameter Setting button under [Lock Menu].

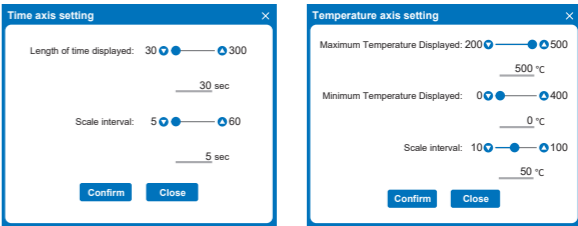
The tip sensor temperature can be displayed on a graph.

- The graph data can be manually or automatically saved
- Manually record: Pressing [Start record], pressing [Stop record] ends the recording
- Recording with Auto save: files will be saved depending on the value inputted in [Tip sensor temperature monitor file split interval (minutes)].

- Saved file name
- During manual saving: FX-805TEMP_M_220101_093358.csv
- During automatic saving: FX-805TEMP_220101_093358.csv

Date stamp of recording: January 1, 2022, 9:33:58

- The graph "Time axis" and "Temperature axis" settings can be changed
- Click button to display the Setting screen.



See [Management] in "1. Menu" for the storage location and the auto save timing.

Time axis default		Temperature axis default	
Length of time displayed	30 seconds	Maximum Temperature Displayed	500°C/950°F
Time Scale Interval	5 seconds	Minimum Temperature Displayed	0°C/0°F
		Temperature Scale Interval	50°C/50°F

3. Operation Buttons

Temperature Change

● Change the set temperature
If the temperature is changed here, the preset temperature selection is automatically canceled.

NOTE

Tip Temperature Correction (offset)

(See "4-3. Operation" in the Instruction Manual)

● The tip temperature can be corrected with the following two methods.

NOTE This will not function when the connection unit is in offset mode.

Manual input

Using the HAKKO thermometer with the Temperature Sending Function

(1) Measure the tip temperature

(2) Input the offset value

(3) Click the [Confirm] button

(4) Click the [Close] button

(1) Measure the tip temperature

(2) Send the measured temperature

(3) Click the [Confirm] button

(4) Click the [Close] button

Parameter Setting

(See "Quick Parameter Settings" in the Instruction Manual)

The current settings are highlighted in blue **A** and can be changed in the column to the right **B**. By clicking the [Confirm] button the buzzer will sound, and [Sys] or [Set] will display on the connection unit to show the settings have been updated.

- The settings can be saved or loaded as CSV files. Click the [Save] button to store the settings from **B**. Default file name: FX-805-Parameter.csv

Click the [Load] button and select CSV file to input the settings, and then click [Confirm] to apply the settings.

* The file name is displayed in the upper left corner.

If the selected file name has an " * "...

When the **B** values are changed after loading, " * " mark will be added at the end of the file name.
Example: FX-805-Parameter.csv*

Parameter No. correspondence table			
Sleep Menu		Lock Menu	
ON/OFF	Parameter No. 07		Parameter No. 14
Activation Time	Parameter No. 02	Temp Set Menu	
Sleep Temp	Parameter No. 13	Preset Temp	Parameter No. 23
ShutOff Menu		Preset ON/OFF	Parameter No. 24
ON/OFF	Parameter No. 08	Output Mode Setting	
Activation Time	Parameter No. 18		Parameter No. 12
Alarm Menu			
Error Alarm	Parameter No. 05		
Ready Alarm	Parameter No. 06		
Low Temp Alarm	Parameter No. 03		

Automatic Calibration and Recorder

What is Automatic Calibration?
It is an operation to automate tip temperature management, and to save the proper calibration results.

- Automatically saves the calibration results when the calibration is completed
- Compiles one month of saved calibration results in one CSV file
File name: FX-805CAL_2022_01.csv

Product Name Calibration year and month

● Calibration procedure

(1) Set the conditions during Automatic calibration with the button.

- (2) Click the button and follow message **C** to calibrate. Set the conditions during.

- Calibration results
- You may select one of the following search conditions.
- Date SearchSpecify the date for the period that you wish to check
- Number of historiesSpecify the recent histories that you wish to check

● Procedure to display the calibration results

- (1) Click the [Calibration results] button to display the screen to input the search conditions.
(2) Input [10] in the [Number of histories] bar.

- (3) Click the [Search] button.
(4) The search results (latest 10 entries) are displayed.

- (5) Click [Graph].
(6) The 10 search results are graphed.

