HAKO Software FX-973 Operation manual





Management								
select Port	File storage location: Parameter setting file/ Automatic calibration result file/ Tip sensor temperature monitor file							
g software.	Select where files are saved. NOTE By default, files are saved in the same location as software folder							
/Chinese se languages. ure unit: ⁰C/⁰F temperature.	 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. 							
rersion	Log file: ON/OFF Operation logs can be recorded when operations or setting changes are performed on this app and unit. NOTE Default is ON.							
on								

Channel power ON/OFF can be switched.

Displayed when the parameter setting change is locked.

This can be locked/unlocked in the [Lock Menu] of the Parameter Setting

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 inputed in [Tip sensor temperature monitor file split interval (minutes)].

During manual saving:FX-973TEMP_M_250101_093358_CH1.csv During automatic saving:FX-973TEMP_250101_093358_CH1.csv

Date stamp of recording: January 1, 2025, 9:33:58

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

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

	×		Temperature Axis Setting	×		
30 🖸 🔵	300		Maximum Temperature Displayed: 200 👽 — 🗨 🕻	500		
<u>30</u> sec			<u>500</u> °C			
			Minimum Temperature Displayed: 0	400		
5 🔾 🔵	 60		0°c			
	5 sec		Scale interval: 10 🗙 — 🗨 🕻	100		
-			<u>50</u> °C			
Close			Confirm Close			
s default			Temperature axis de	efault		
ayed	30 seconds	M	Maximum Temperature Displayed			
	5 seconds	М	Minimum Temperature Displayed			
		То	mooratura Saala Intarval	5000		

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3. Operation Buttons



Temperature Change

• Change the set temperature

Temperature range





NOTE If the temperature is changed here, the preset temperature selection is automatically canceled.

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.





NOTE When sending the measured temperature using the HAKKO thermometer, only one channel can be corrected (offset) at one time.

Parameter Setting

(See "8.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-973-Parameter.csv

No Data

-

-

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. Fight 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-973-Parameter.csv*

Display the file name										B	
	selected di										
Paramete	r Setting	ı (Ĉ									
Sleep Menu	C				Temp Set Menu		Citil Citil				
ON/OFF		ON		N	Setting Temp	350°C	50 0	▲ 500 °C	350°C)	
ShutOff Menu					U ,		35	0°C			
ON/OFF		OFF	OFF 🔵 C	DN	Offset Temp	0°C	-50	▲ 50 °C	0°C		
Activation Tin	ne	30 min	30 🗸 🕒	- 🔼 60 min	·			0°C			
			30) min	Preset 1 Temp	250 °C	50	500 °C	250 °C		
Alarm Menu							25	0°C			
Error Alarm		ON	OFF 💶 C	N	Preset 2 Temp	300 °C	50	500 °C	300 °C		
Ready Alarn	n 📗	ON	OFF 💶 C	ON			30	0°C			
Low Temp A	Jarm	150 °C	30 🗸 🗕	▲ 150 °C	Preset 3 Temp	350 °C	50	500 °C	350 °C		
			150) °C	1 rosoco romp	000 0	35	0.00	000 0		
Lock Menu					Preset 4 Temp	400 °C	50	500 °C	400 °C		
Password L	ock	Unlock	Unlock	~	1 losot 4 lomp	400 0	40		400 0		
Password		AAA	AAA		Preset 5 Temp	450 °C	50	500 °C	450 °C		
Offset		Unlock	Unlock	Lock	Treset o temp	450 0	45		430 0		
Preset Sele	ct	Unlock	Unlock	Lock	Preset 1 ON/OFF	ON	OFF		ON		
Temp Set		Unlock	Unlock	Lock	Preset 2 ON/OFF	ON		ON	ON		
Automatic Char	nel Switch		Cincon (200.0	Preset 3 ON/OFF	ON			ON		
ON/OFF		ON	OFF 🗨 C	ON	Preset 4 ON/OFF	ON			ON		
Desoldering Sett	ings Menu				Preset 5 ON/OFF	ON			ON		
Desoldering I	Node	NORMAL	NORMAL 🗩	TIMER	Sleep Menu						
Desoldering	Time	1 sec	100	- 5 sec			CH1				
			1	soc	Activation Time	6 min		29 min	6 min		
	و)		_300	а т			nin			
FX-973_001 FX-973_001			Sleep lemp	200°C	200	▲ 300 °C	200°C	-			
		Ŷ					200	<i>.</i> С			
					Channel Power		CH1				
					ON/OFF	ON	OFF 💶	NC	ON		
				Cor	yfirm	Load	Save		Clos		
		1 C C C C C C C C C C C C C C C C C C C				1					
									_		
If the ID of th	e connecti	ion unit is no	ot registered,		Confirm the change	ged values	Load File	Save File			



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3. Operation Buttons(cont'd)





(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] button. (6) The 10 search results are graphed. rod tomporatu 450 400 **2** 35 You can check when the tip was replaced with the blue - -30 vertical line. 100 - -40 - -50 - -60 5 6 Number of histo 6 nistories Close



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