

# 軟體指南 Software Operation Guide

HIPOT\_TEST  
for GPT-10000 Series

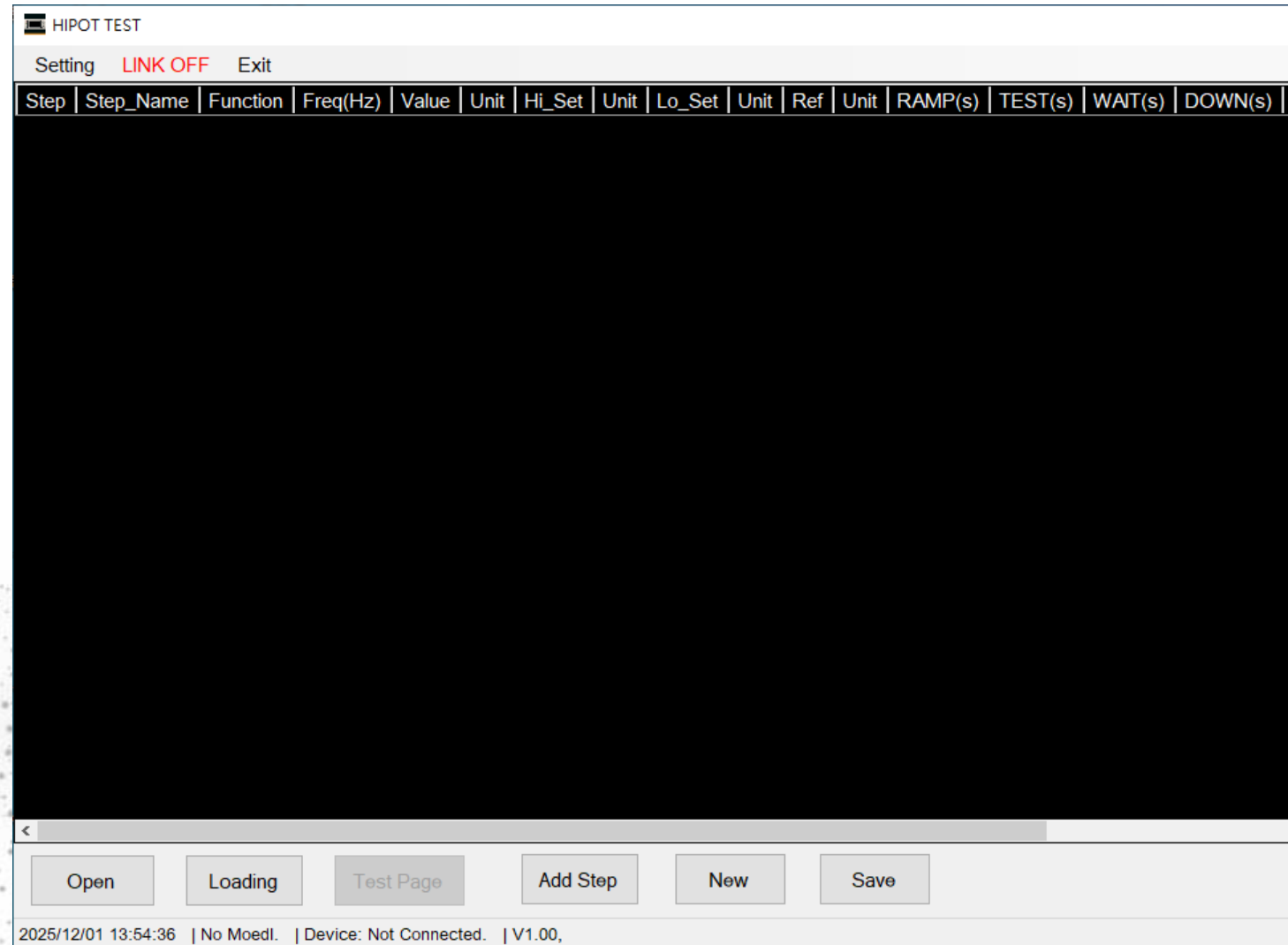
Ver. : E0



# Link *(Start)*

**LINK OFF**

Click "Setting" for  
connection



# Link *(Configure)*

Interface type selection

1

RS-232 only

Connected  
information

Interface Setting

[COM] ASRL11::INSTR: MOXA USB Serial Port[R] Connect

COM Port Settings

Baud 9600 Refresh

Product Model

☐ ACW Only ☐ ACW + DCW ☐ ACW + DCW + IR

☒ ACW + DCW + IR + GB ☐ DCW + IR

VA Type

☐ 200VA

☒ 500VA

Command Test

☐ +CR ☐ +LF Send Read

Connected to: ASRL11::INSTR

Response: GPT-15004 ,GEY110158 ,V1.05,

Matched Model: GPT-15004, Model=4, VA Type=5

Set: ASRL11::INSTR, BaudRate : 9600

Clear Exit

2

Press "Connect"

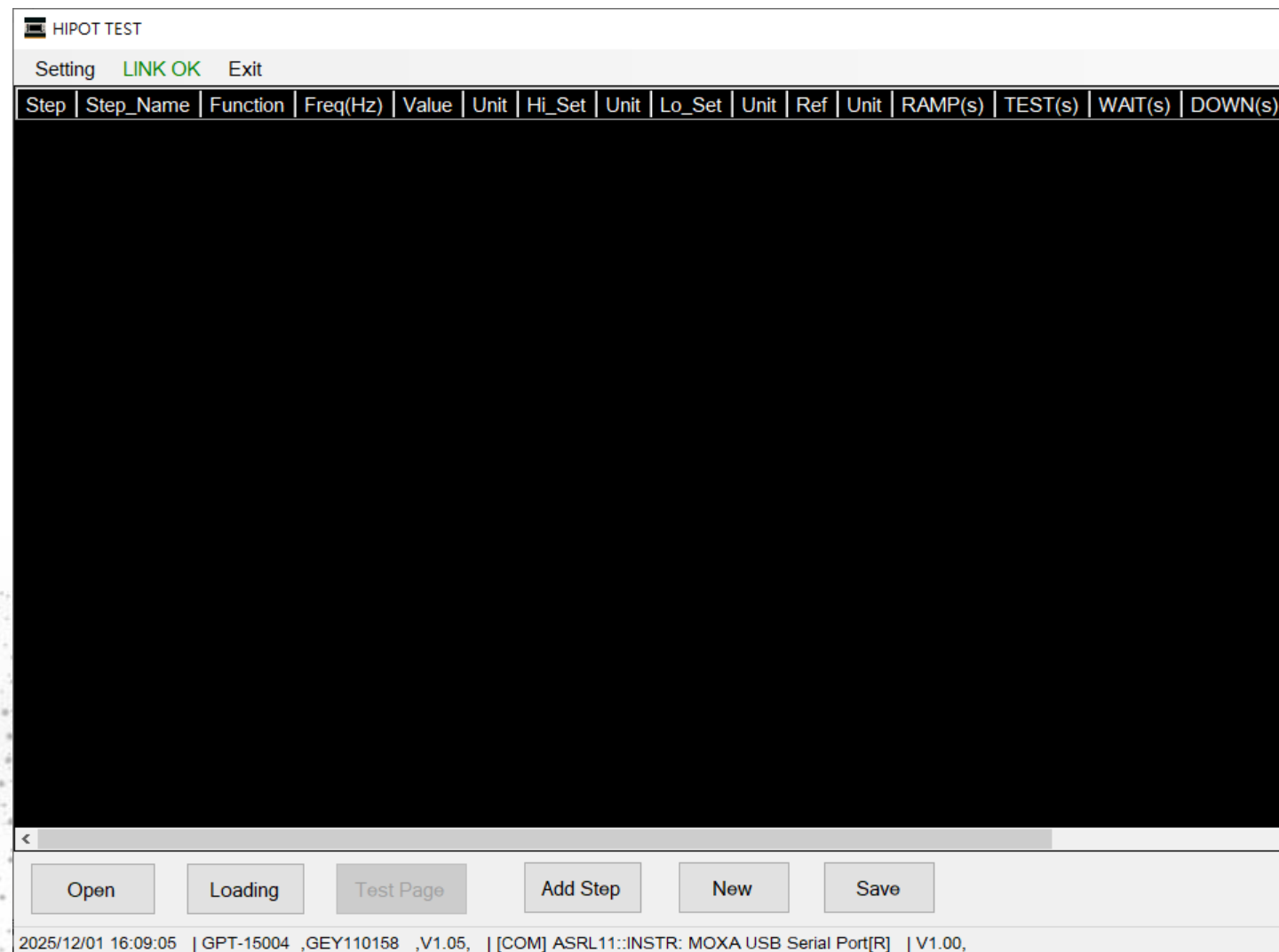
After the "Connect" is pressed, the software will automatically select the Product Model and VA Type, based on the connected information.

3

Press "Exit"

# Link *(success)*

LINK OK



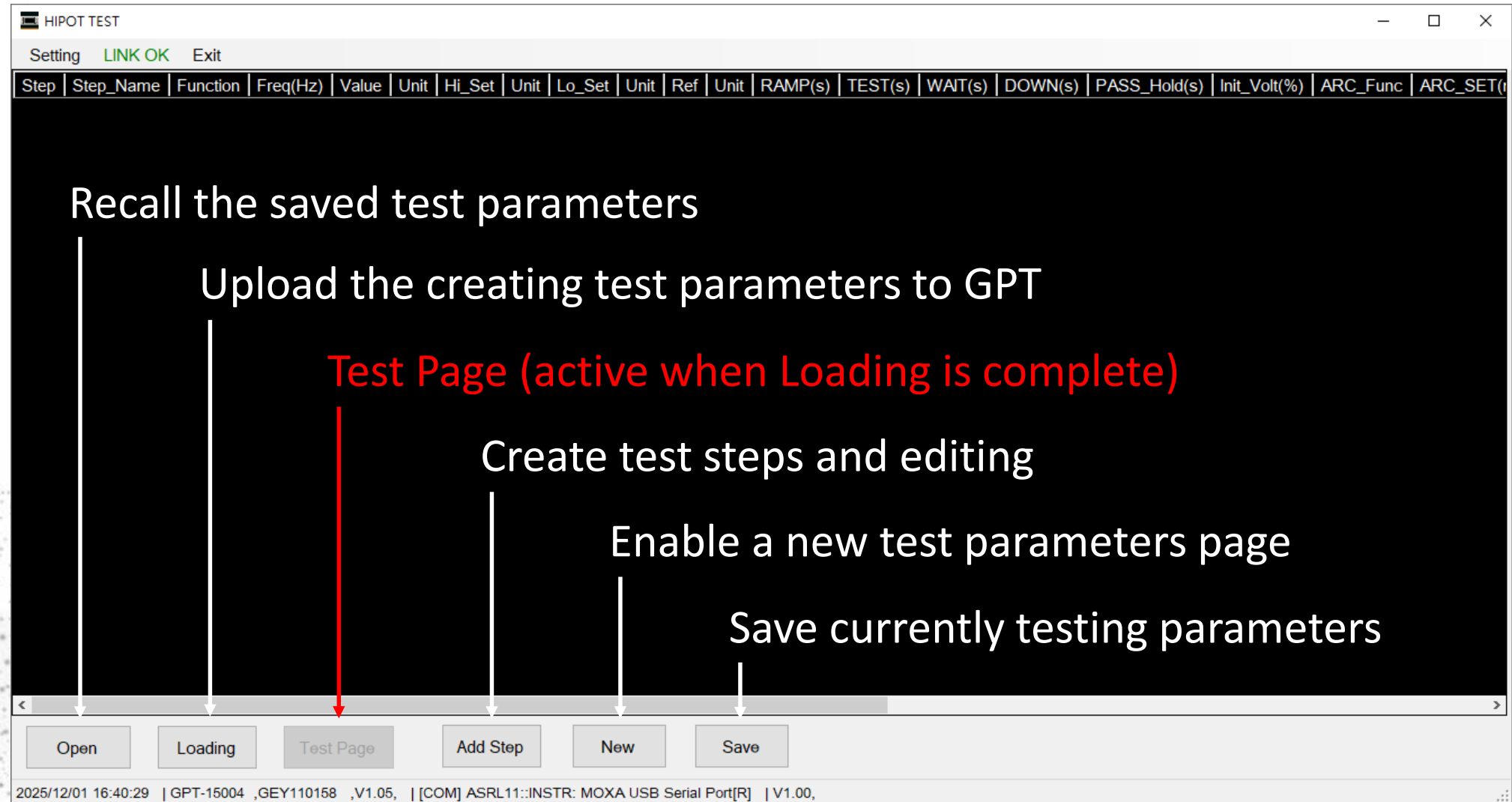
Complete connected  
information



*Created by Andy H*



# Operation *(Icon description)*



# Operation *(Add steps)*

The screenshot displays the HIPOT TEST software interface. At the top, there's a menu bar with 'Setting', 'LINK OK', and 'Exit'. Below it is a table with 20 columns: Step, Step\_Name, Function, Freq(Hz), Value, Unit, Hi\_Set, Unit, Lo\_Set, Unit, Ref, Unit, RAMP(s), TEST(s), WAIT(s), DOWN(s), PASS\_Hold(s), Init\_Volt(%), ARC\_Func, and ARC\_SET. The table contains 5 rows of data, all with 'ACW' as the function and '60' as the frequency. The 5th row is highlighted in blue. Below the table, there are three notes: Note1: There is only a "Add Step" (the last step), no "Insert" function. Note2: To delete a step, first select the step to delete (blue), then use the "Delete" key on your keyboard. Note3: If you make any changes, please re-upload to GPT and then run the test. At the bottom, there's a control panel with buttons: Open, Loading, Test Page, Add Step (highlighted with a red box), New, and Save. A white arrow points to the 'Add Step' button with the text 'Each click adds a step'. To the right of the 'Add Step' button, there's a horizontal scrollbar with two orange arrows pointing left and right, labeled 'More parameters' in orange text. The status bar at the very bottom shows the date and time '2025/12/01 17:45:27' and various system information.

Step	Step_Name	Function	Freq(Hz)	Value	Unit	Hi_Set	Unit	Lo_Set	Unit	Ref	Unit	RAMP(s)	TEST(s)	WAIT(s)	DOWN(s)	PASS_Hold(s)	Init_Volt(%)	ARC_Func	ARC_SET
1		ACW	60	0.100	kV	1.000	mA	0.000	mA	0.000	mA	0.1	0.3	0.0	0.0	0.5	00	OFF	1.000
2		ACW	60	0.100	kV	1.000	mA	0.000	mA	0.000	mA	0.1	0.3	0.0	0.0	0.5	00	OFF	1.000
3		ACW	60	0.100	kV	1.000	mA	0.000	mA	0.000	mA	0.1	0.3	0.0	0.0	0.5	00	OFF	1.000
4		ACW	60	0.100	kV	1.000	mA	0.000	mA	0.000	mA	0.1	0.3	0.0	0.0	0.5	00	OFF	1.000
5		ACW	60	0.100	kV	1.000	mA	0.000	mA	0.000	mA	0.1	0.3	0.0	0.0	0.5	00	OFF	1.000

Note1: There is only a "Add Step" (the last step), no "Insert" function.

Note2: To delete a step, first select the step to delete (blue), then use the "Delete" key on your keyboard.

Note3: If you make any changes, please re-upload to GPT and then run the test.

Each click adds a step

More parameters

Open Loading Test Page Add Step New Save

2025/12/01 17:45:27 | GPT-15004 ,GEY110158 ,V1.05, | [COM] ASRL11::INSTR: MOXA USB Serial Port[R] | V1.00,

# Operation *(Save Test Parameters)*

Setting LINK OK Exit

Step	Step_Name	Function	Freq(Hz)	Value	Unit	Hi_Set	Unit	Lo_Set	Unit	Ref	Unit	RAMP(s)	TEST(s)	WAIT(s)	DOWN(s)	PASS_Hold(s)	Init_Volt(%)	ARC_Func	ARC_SET
1		ACW	60	0.100	kV	1.000	mA	0.000	mA	0.000	mA	0.1	0.3	0.0	0.0	0.5	00	OFF	1.000
2		ACW	60	0.100	kV	1.000	mA	0.000	mA	0.000	mA	0.1	0.3	0.0	0.0	0.5	00	OFF	1.000
3		ACW	60	0.100	kV	1.000	mA	0.000	mA	0.000	mA	0.1	0.3	0.0	0.0	0.5	00	OFF	1.000
4		ACW	60	0.100	kV	1.000	mA	0.000	mA	0.000	mA	0.1	0.3	0.0	0.0	0.5	00	OFF	1.000
5		ACW	60	0.100	kV	1.000	mA	0.000	mA	0.000	mA	0.1	0.3	0.0	0.0	0.5	00	OFF	1.000

Note:

- 1 Saved Location : Fixed
- 2 File Name : Config\_Date\_Time
- 3 File Format : cfg

Save currently test parameters

Open Loading Test Page Add Step New Save

2025/12/01 17:45:27 | GPT-15004 ,GEY110158 ,V1.05, | [COM] ASRL11::INSTR: MOXA USB Serial Port[R] | V1.00,

# Operation *(Loading)*

The screenshot displays the 'HIPOT TEST' software window. At the top, the 'Setting' menu is open, showing 'LINK OK' and 'Exit'. The 'Step 1 : Loading...' tab is selected. Below the menu is a table with two steps:

Step	Step_Name	Function	Freq(Hz)	Value	Unit	Hi_Set	Unit	Lo_Set	Unit	Ref	Unit	RAMP(s)	TEST(s)	WAIT(s)	DOWN(s)	PASS_Hold(s)	Init_Volt(%)	ARC_Func	ARC
1		IR		0.050	kV	60000	M ohm	0.1	M ohm	0.0	M ohm	0.1	0.3	0.0	0.0	0.5			
2		DCW		0.100	kV	1.000	mA	0.000	mA	0.000	mA	0.1	0.3	0.0	0.0	0.5	00	OFF	1.00

Below the table, a large black area contains a red warning message:

**Warning:** The "Loading" will overwrite the corresponded location of reserved parameter on GPT. Therefore, recommend to reserve MANU=\*\*\*-001 ~ MANU=\*\*\*-010 for programming control of GPT software.

In the center of this area is a small white dialog box titled 'Loading Complete.' with a '確定' (Confirm) button. An arrow points from this button to the text: 'Press to confirm and activate the Test Page'.

At the bottom of the main window, there is a toolbar with buttons: 'Open', 'Loading', 'Test Page', 'Add Step', 'New', and 'Save'. The 'Loading' button is highlighted with a red box, and an arrow points from the text 'Upload the currently test parameters to GPT' to it. The 'Test Page' button is outlined with a red dashed border.

The status bar at the bottom shows: '2025/12/02 16:28:11 | GPT-15012 , ,V1.00, |[COM] ASRL7::INSTR: USB 序列裝置[U] | V1.00,'



# Test Page *(Icon description)*

The screenshot shows a software window titled "TEST\_Form" with a menu bar and a main display area. The menu bar includes: Step, PASS/FAIL, Function, Read\_V/I, Read\_I/R, RAMP, TEST, WAIT, DOWN, GB\_Contact, Freq(Hz), Value, Hi\_Set, Lo\_Set, Ref, ARC\_Func, GROUND, MAX\_Hold, CONTACT, FI. The main display area has a black background with white and red text. A red warning message is at the top: "Warning: Before returning to the settings page, please remember to save your test data; otherwise, all test data will be deleted." Below it, white text says "Execute test based on the Repeat setting". At the bottom, there is a control panel with several buttons and a text field. Annotations with arrows point to these elements: "Abort test" points to the STOP button; "Number of times to repeat test (1 is recommended)" points to the Repeat text field; "Saving the currently test data" points to the SAVE button; "Go to SWEEP page" points to the SWEEP button; "Back to Setting" points to the Return button. The control panel also includes a START button, checkboxes for "FAIL STOP" and "STEP HOLD", a "Clear Test Data" button, and a status bar at the bottom with the text: "2025/12/03 11:03:08 GPT-15012 , ,V1.00, [COM] ASRL7::INSTR: USB 序列装置[U] | V1.00,".

TEST\_Form

Step | PASS/FAIL | Function | Read\_V/I | Read\_I/R | RAMP | TEST | WAIT | DOWN | GB\_Contact | Freq(Hz) | Value | Hi\_Set | Lo\_Set | Ref | ARC\_Func | GROUND | MAX\_Hold | CONTACT | FI

**Warning:** Before returning to the settings page, please remember to save your test data; otherwise, all test data will be deleted.

Execute test based on the Repeat setting

Abort test

Number of times to repeat test (1 is recommended)

Saving the currently test data

Go to SWEEP page

Back to Setting

START STOP Repeat: 1 ☐ : FAIL STOP ☐ : STEP HOLD SAVE SWEEP Clear Test Data Return

2025/12/03 11:03:08 GPT-15012 , ,V1.00, [COM] ASRL7::INSTR: USB 序列装置[U] | V1.00,

Created by Andy H

FAIL STOP : When a failure occurs, the test is stopped regardless of whether all test items have been executed.  
STEP HOLD : Pause after completing the test step, press the START button to proceed to the next step.

# Test Page *(Save Test Data)*

TEST\_Form

Step	PASS/FAIL	Function	Read_V/I	Read_I/R	RAMP	TEST	WAIT	DOWN	GB_Contact	Freq(Hz)	Value	Hi_Set	Lo_Set	Ref	ARC_Func	GROUND	MAX_Hold	CO
1	PASS	IR	0.999kV	>50Gohm	0.1s	0.3s	0.0s	0.0s			1.000 kV	OFF	000.1 MΩ	000.0 MΩ		OFF	OFF	OFF
2	PASS	DCW	0.099kV	000.0 uA	0.1s	0.3s	0.0s	0.0s			0.100 kV	1.000 mA	0 μA	0 μA	OFF	ON	OFF	OFF
3	PASS	IR	0.049kV	>10Gohm	0.1s	0.3s	0.0s	0.0s			0.050 kV	OFF	000.1 MΩ	000.0 MΩ		OFF	OFF	OFF
1	PASS	IR	0.999kV	>50Gohm	0.1s	0.3s	0.0s	0.0s			1.000 kV	OFF	000.1 MΩ	000.0 MΩ		OFF	OFF	OFF
2	PASS	DCW	0.100kV	000.0 uA	0.1s	0.3s	0.0s	0.0s			0.100 kV	1.000 mA	0 μA	0 μA	OFF	ON	OFF	OFF
3	PASS	IR	0.049kV	>10Gohm	0.1s	0.3s	0.0s	0.0s			0.050 kV	OFF	000.1 MΩ	000.0 MΩ		OFF	OFF	OFF

Note:

- 1 Saved Location : Fixed
- 2 File Name : Test\_Date\_Time
- 3 File Format : csv

另存新檔

1 本機 > Win10 20H2 (C:) > HIPOT\_TEST > Test\_Data

組合管理 新增資料夾

PC\_Software

OneDrive - Perso

本機

3D 物件

下載

文件

音樂

桌面

圖片

影片

Win10 20H2 (C:)

檔案名稱(N): Test\_251204\_0925.csv

儲存類型(T): CSV Files (\*.csv)

2

3

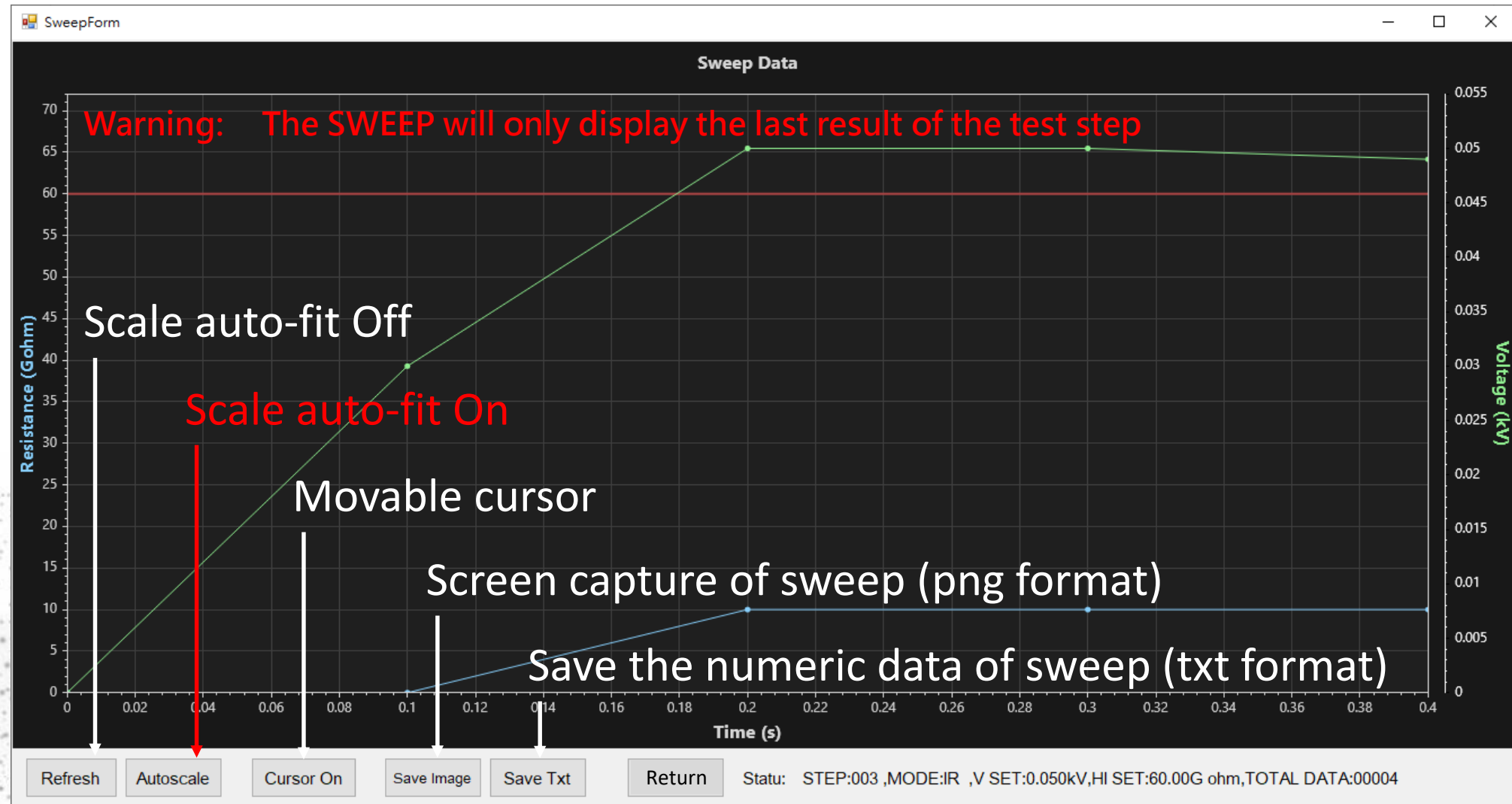
Save currently test data

存檔(S) 取消

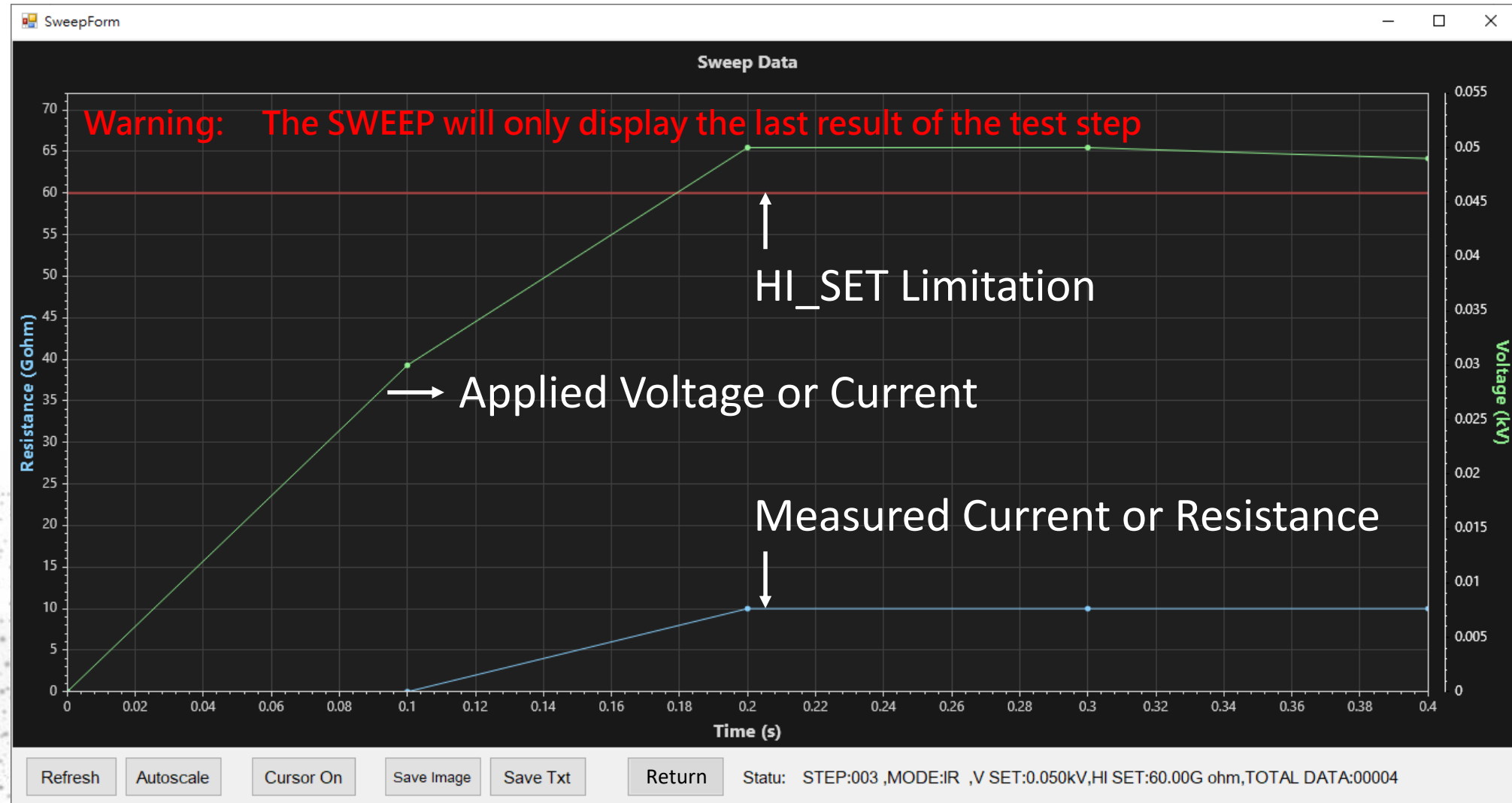
START STOP Repeat: 1 ☐ : FAIL STOP ☐ : STEP HOLD SAVE SWEEP Clear Test Data Return

2025/12/04 09:23:05 GPT-15012 , ,V1.00, [COM] ASRL7::INSTR: USB 序列裝置[U] | V1.00,

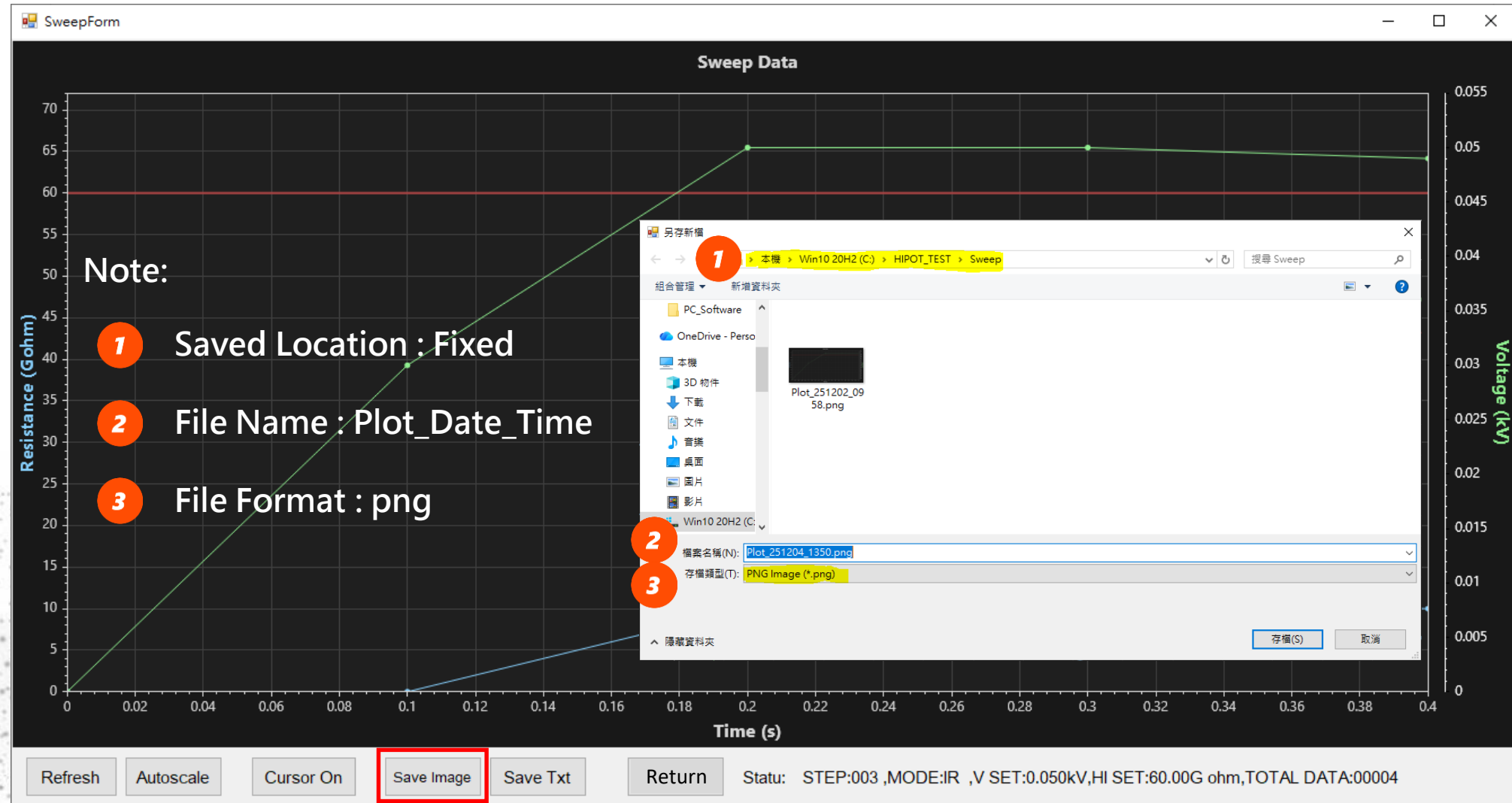
# SWEEP Page *(Icon description)*



# SWEEP Page *(Display)*



# SWEEP Page *(Save Image)*





# SWEEP Page *(Save Txt)*

