

# 軟體指南 Software Operation Guide

HIPOT\_TEST  
for GPT-10000 Series

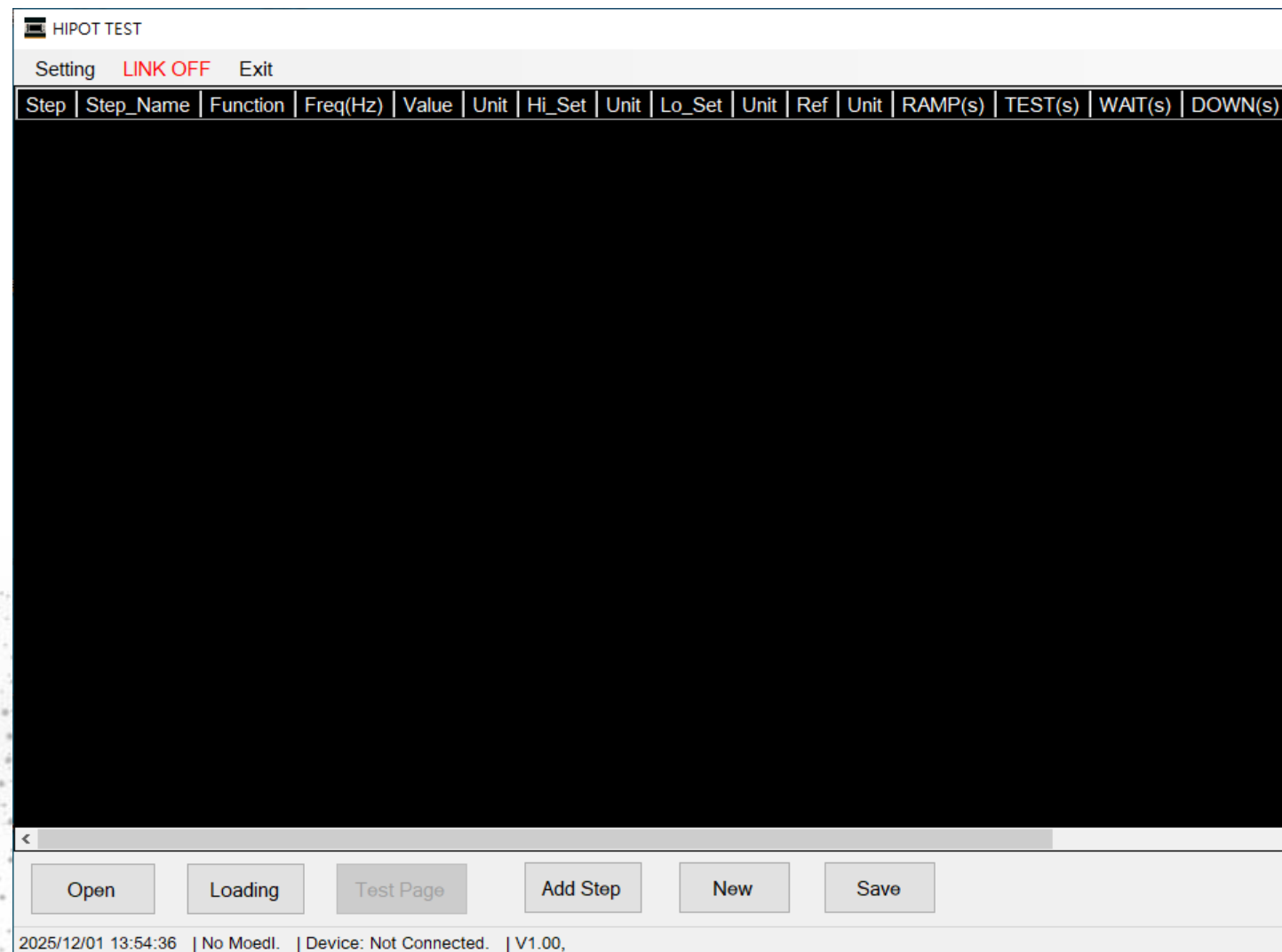
Ver. : E0



# 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 LINK OK

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"

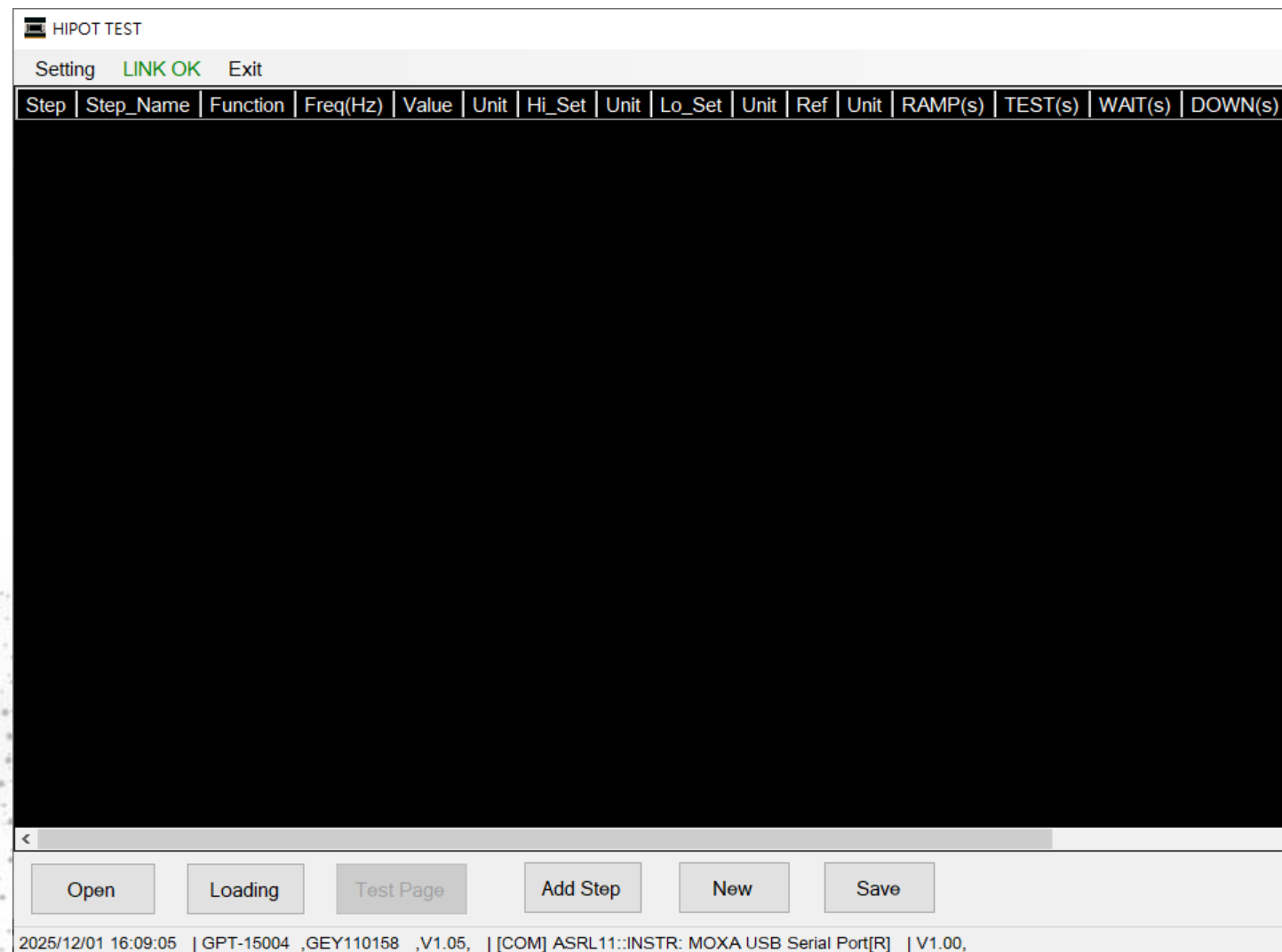
After the "Connect" is pressed, the software will automatically select the Product Model and VA Type, based on the connected information.

3

Press "Exit"

# Link *(success)*

LINK OK



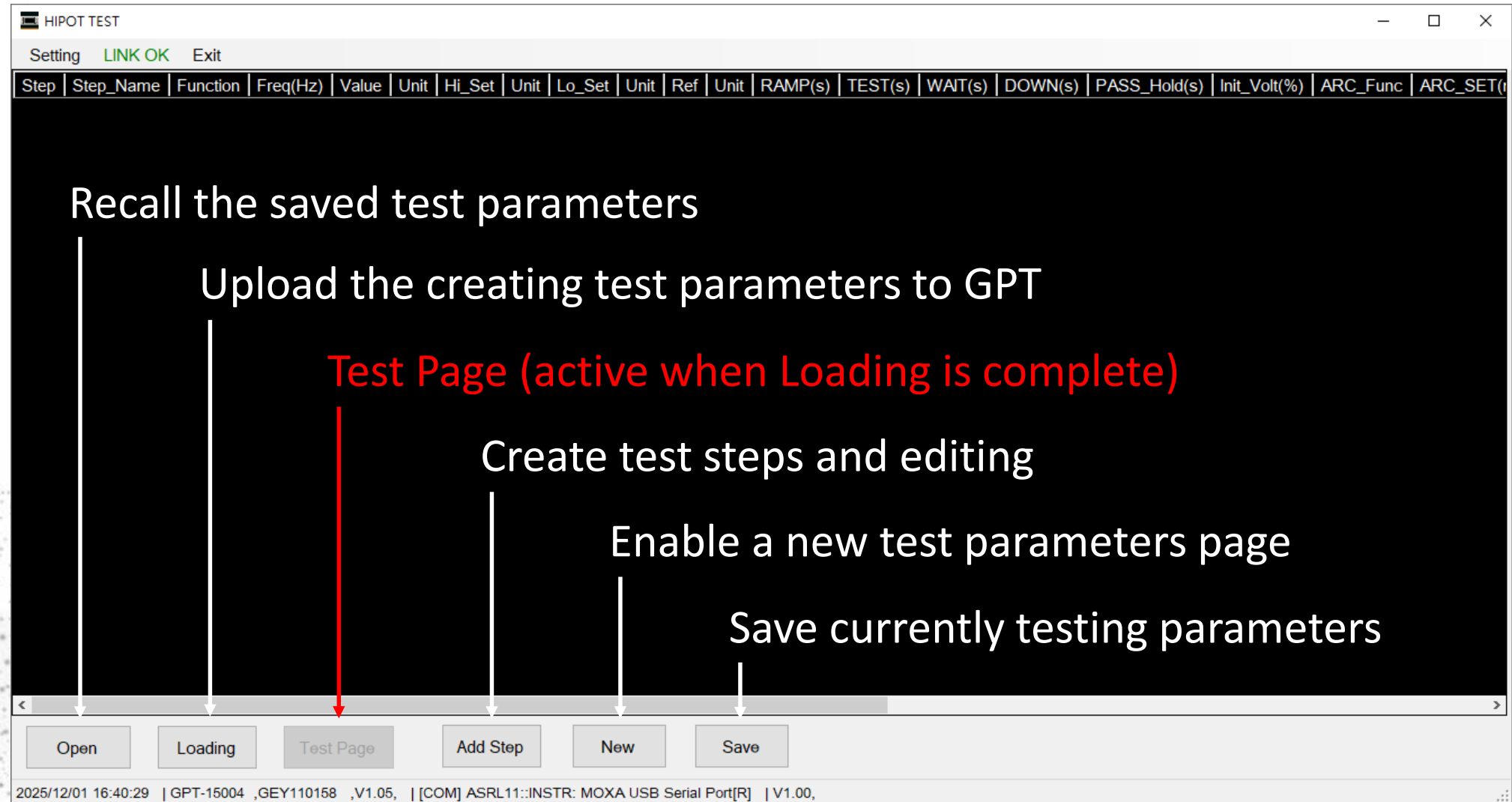
Complete connected  
information



*Created by Andy H*



# Operation *(Icon description)*



# Operation *(Add steps)*

The screenshot displays the 'HIPOT TEST' software window. 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 test steps, all with 'ACW' as the function and '60' as the frequency. The 5th row is highlighted in blue. Below the table, there are four 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. Note4: For ACW/DCW only, TEST(s) can be set to 1000, representing OFF; however, the following limitations apply. Below the notes are two bullet points: GPT-12000 : ACW (HI SET + REF) < 30 mA and GPT-15000 : ACW (HI SET + REF) < 80 mA. At the bottom of the window, there's a toolbar with buttons: Open, Loading, Test Page, Add Step (highlighted with a red box), New, and Save. A white arrow points from the text 'Each click adds a step' to the 'Add Step' button. To the right of the toolbar, there's a horizontal scrollbar with two orange arrows pointing left and right, and the text 'More parameters' in orange. 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.

Note4: For ACW/DCW only, TEST(s) can be set to 1000, representing OFF; however, the following limitations apply.

- GPT-12000 : ACW (HI SET + REF) < 30 mA
- GPT-15000 : ACW (HI SET + REF) < 80 mA

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.

A small dialog box titled 'Loading Complete.' is shown 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 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 also highlighted with a red dashed box.

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: "START" (green button), "STOP" (red button), "Repeat: 1" (text field), "SAVE" (grey button), "SWEEP" (grey button), "Clear Test Data" (grey button), and "Return" (grey button). The status bar at the bottom shows: "2025/12/03 11:03:08 GPT-15012 , ,V1.00, [COM] ASRL7::INSTR: USB 序列装置[U] | V1.00,".

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,

# 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

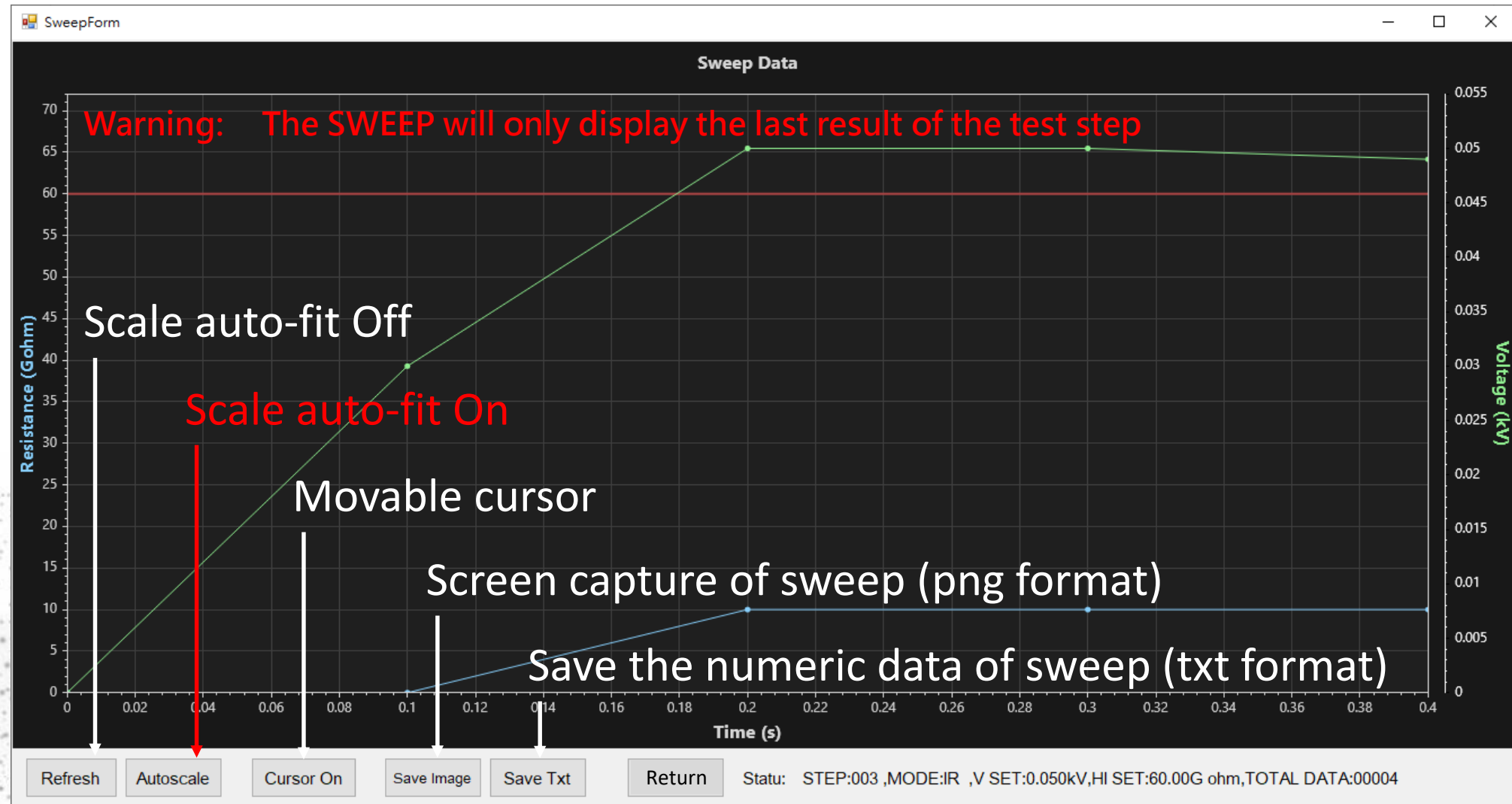
Save currently test data

儲存(S) 取消

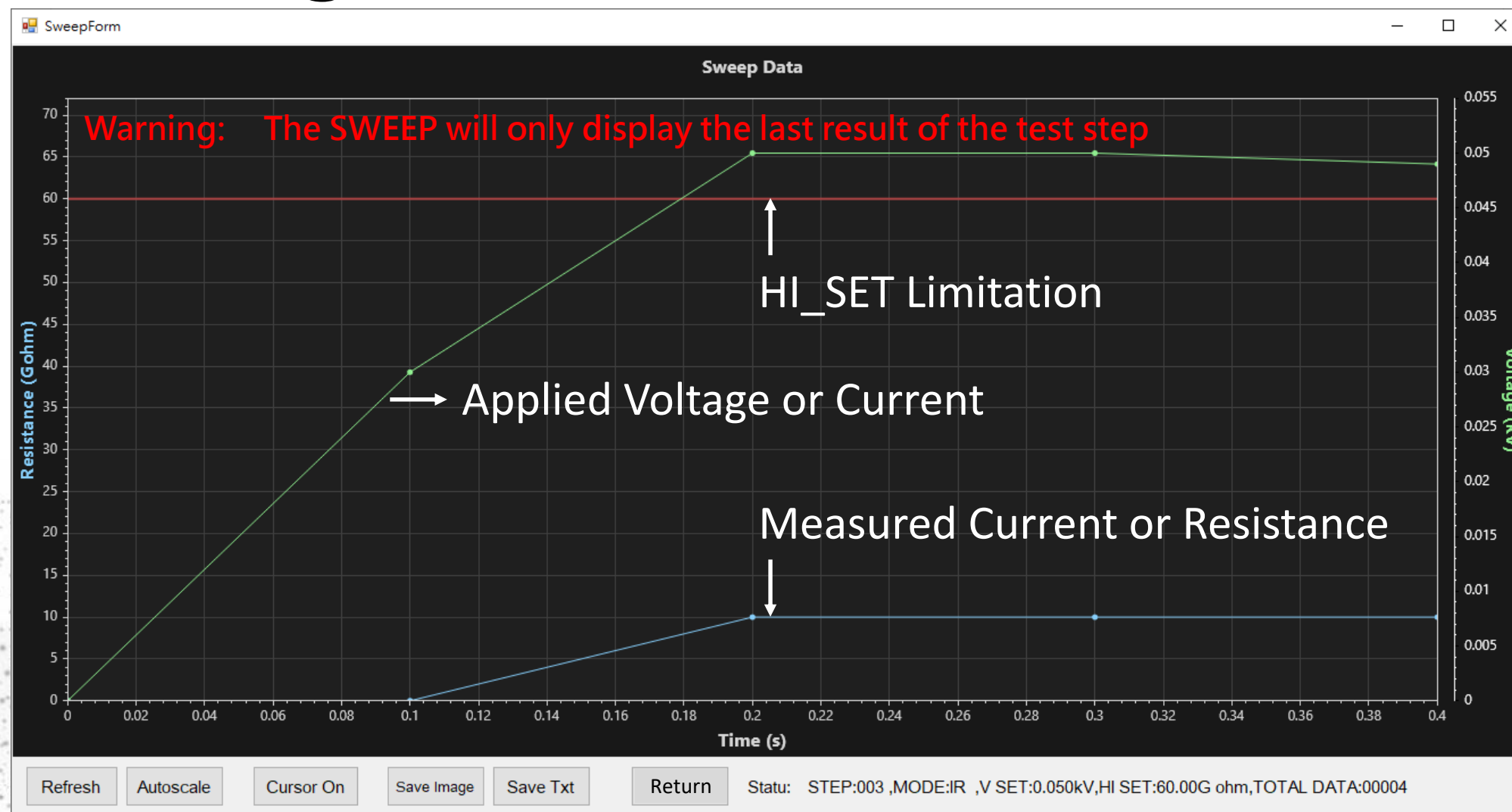
START STOP Repeat: 1 ☐ : FAIL STOP ☐ : STEP HOLD SAVE SWEEP Clear Test Data Return

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

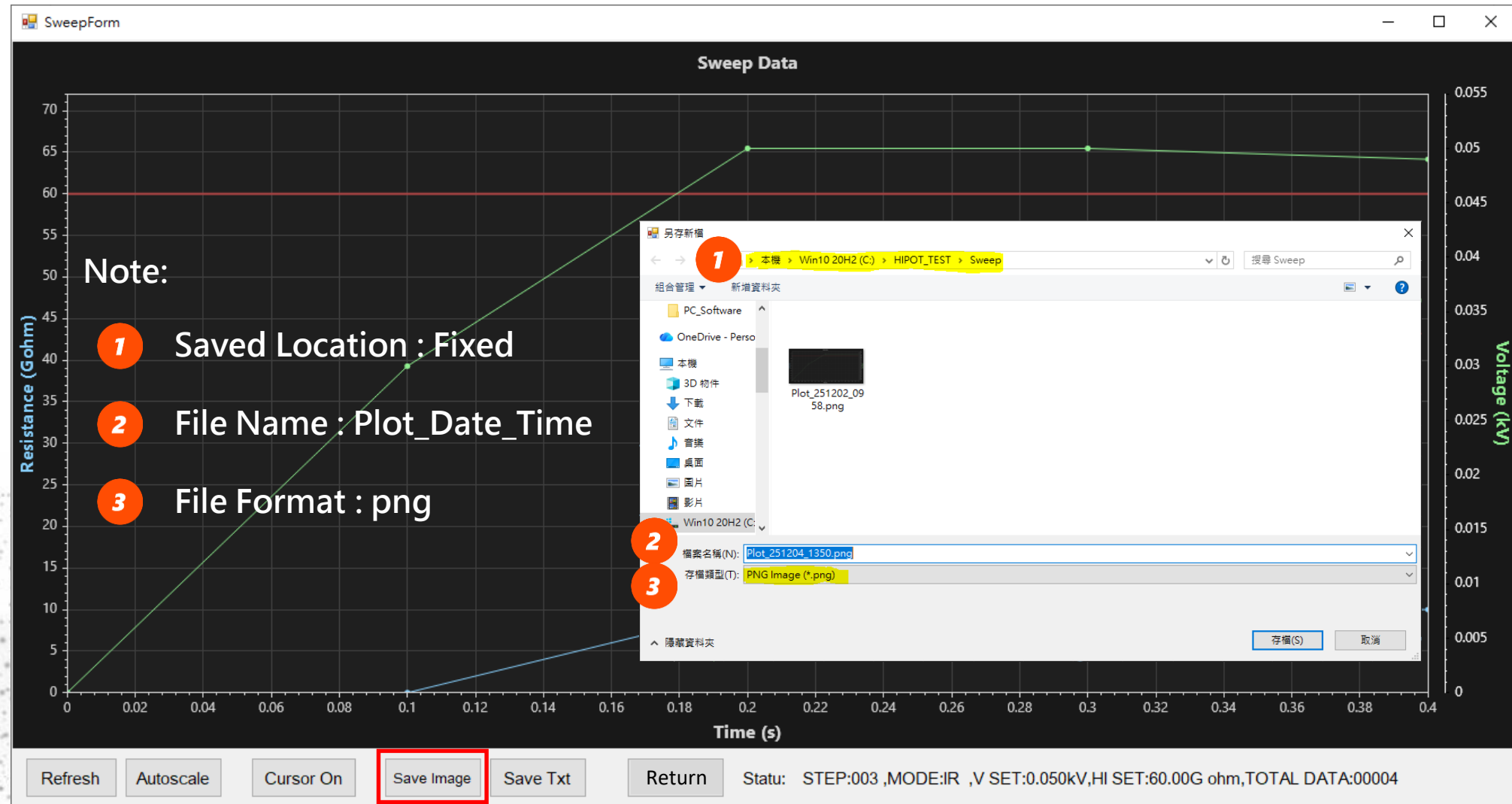
# SWEEP Page *(Icon description)*



# SWEEP Page *(Display)*



# SWEEP Page *(Save Image)*





# SWEEP Page *(Save Txt)*

