# **PW9251A** Pathwave IV curve measurement software

### Introduction

PathWave IV Curve is a powerful GUI software designed to simplify and accelerate the process of performing synchronous current-voltage (IV) measurements. With a user-friendly interface, the software enables researchers, engineers, and developers to perform IV measurements without any programming knowledge.

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## Synchronous Current-Voltage (IV) Measurements With Graphical Results

The PathWave IV curve is a ready-made GUI software to perform a variety of synchronous currentvoltage (IV) measurements on up to 40 channels without programming. Various analysis functions on graphs and tables allow users to review test results immediately after the measurement. Export functions of graphs with markers and tables support efficient reporting. In addition, the test result files contain all the settings, allowing users to accurately review and repeat the test.

The PathWave IV curve accelerates your research, development, and design verification with increasing productivity, enabling more accurate and reliable data acquisition and more efficient use of the equipment.



#### Key features

- Easily and quickly performing synchronous current-voltage (IV) measurements without programming
- Immediately reviewing test results on graphs with markers and tables
- Efficiently making reports or post-processing by exporting graphs in image files and tables in CSV files
- Easily repeating/reviewing the test result by loading/saving the test results with entire test setups
- Experience the full range of the application's capabilities without the need for a software license by previewing its features in Demo Mode
- Includes API functions to facilitate integration into your programming environment



#### Powerful setup menu for maximum flexibility

The setup menu allows you to specify and preview the settings on multiple SMU channels before you perform a measurement, giving you the flexibility and ease of setting up the SMU channels.

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Figure 1. Previewing the settings of multiple SMU channels

#### Improve efficiency with the built-in graph function

The built-in graph function supports basic and advanced features, enabling immediate review of the test results through graphs with markers.

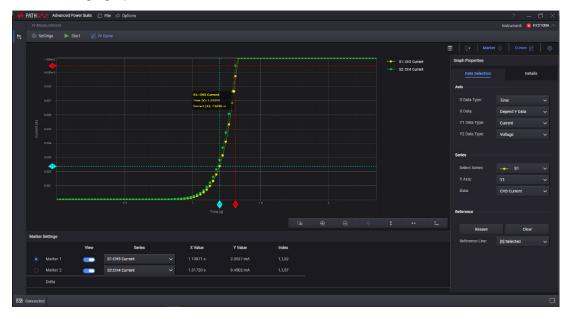


Figure 2. Reviewing test results through graphs with markers



#### Post-processing at ease

View numerical measurement results in a table format. You can easily export these data into an Excel spreadsheet for post-analysis.

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**Figure 3.** Viewing measurement results in a table format and easily exporting the data into an Excel spreadsheet for post-analysis.



# **Free Trial and Licensing**

The PW9251A software is available for download with a 30-day free trial license. Upon completion of the trial period, users can purchase a license by following the how-to-order license steps outlined in the following section. Depending on the type of license, it can be installed either on a PC or on a network.

Step	Instructions	Options		
1	Choose the software model	PW9251A PathWave IV Curve Measurement Software		
2	Choose license term	Subscription		
3	Select license type	Node-locked		
		Transportable		
		USB portable		
		Floating – single site		
4	Select duration	6 months		
		12 months		
		24 months		
		36 months		
5	Select USB	Only for "USB portable"		
6	Select delivery method	Paper certificate		
		Email and paper certificate		
		Email certificate		

# **Supported Models**

- B2900A series precision SMU B2901A, B2902A, B2911A, B2912A
- B2900B series precision SMU B2901B, B2902B, B2911B, B2912B
- B2900BL series precision SMU B2901BL, B2910BL
- B2960 series 6.5 digits low noise source B2961A, B2962A, B2961B, B2962B
- PZ2100 series High-Channel density precision SMU PZ2100A, PZ2110A, PZ2120A, PZ2121A, PZ2130A, PZ2131A



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