

Keysight Technologies

B2900A SMUs Can Perform Both Basic IV Sourcing and Complex Characterization and Analysis Tasks - Product Fact Sheet

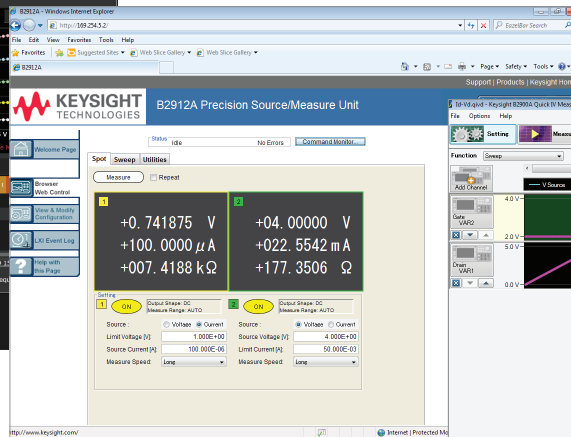
Keysight B2900A Series Precision Source/Measure Unit

The B2900A series SMUs have multiple free software control options, allowing you to choose the solution that best fits your particular application.



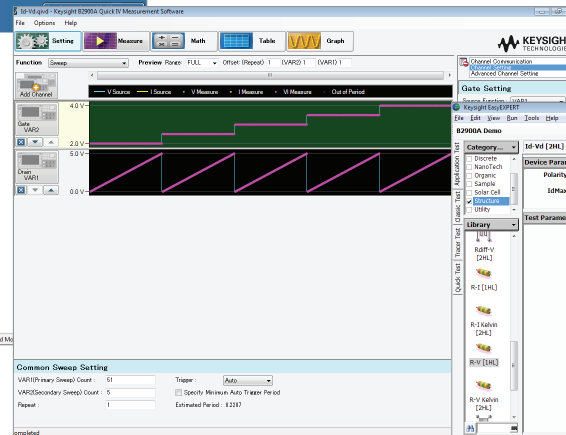
BenchVue

Source constant voltage or current and control other Keysight instruments



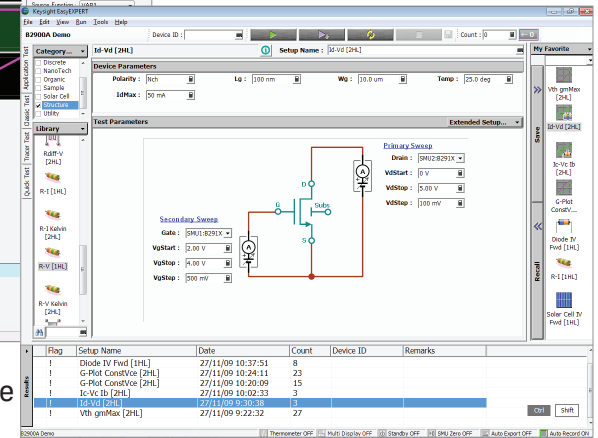
Graphical Web Interface

Use your web browser to make basic measurements



Quick I/V Measurement Software

A common software solution for the entire B2900 family



EasyEXPERT group+

SPowerful software for detailed characterization and analysis of devices, circuits and materials



Unlocking Measurement Insights

Software options

The table summarizes the features and functions of software.

		BenchVue	Graphical Web Interface	Quick I/V Measurement Software	EasyEXPERT group+
Supported Model	B2900A series	✓	✓	✓	✓
	B2960A series	✓	✓	✓	
	B2980A series		✓	✓	
Supported Interface	GPIB	✓		✓	✓
	USB	✓		✓	
	LAN	✓	✓	✓	
Source Mode	Constant voltage	✓	✓	✓	✓
	Constant current	✓	✓	✓	✓
	Sweep output		✓	✓	✓
Functions	Graph	✓		✓	✓
	Math			✓	✓
	Analysis				✓
	Database				✓
	Export screen image	✓		✓	✓
	Export data	✓		✓	✓
	Multiple unit control	✓		✓	✓
	Application test setup				✓

Keysight B2900A Precision Source/Measure Unit (SMU)

The SMU combines the capabilities of a current source, a voltage source, a current meter and a voltage meter along with the capability to switch easily between these various functions into a single instrument. Its innovative graphical user interfaces improves usability and productivity of bench-top tests, debug and characterizations dramatically.

www.keysight.com/find/precisionSMU

Key Features of the B2900 Precision Instrument Family

B2900A precision source/measure unit

- ✓ Display I-V curves and other types of graphs on the front panel
- ✓ Best-in-class 6.5-digit sourcing and measurement resolution
- ✓ Wide application coverage from 100 nV / 10 fA to 210 V/3 A DC and 10.5 A pulsed

B2960A series 6.5 digit low noise power source

- ✓ Precision current and voltage source with ultra-low noise 10 μ Vrms
- ✓ 6.5 Digit resolution (100nV/10 fA)
- ✓ Innovative and precision ARB capability; six built-in waveforms with speeds up to 10 kHz

B2980A series femto/picoammeter & electrometer

- ✓ World's-best current measurement resolution of 0.01 fA (0.01×10^{-15} A)
- ✓ Resistance measurements up to 10 P Ω (10×10^{15} Ω)
- ✓ Available in battery-powered versions for low-level measurements in the presence of AC power line noise

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To learn more please visit:

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