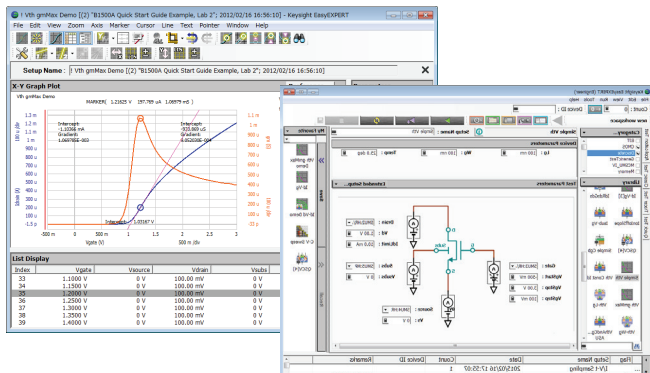
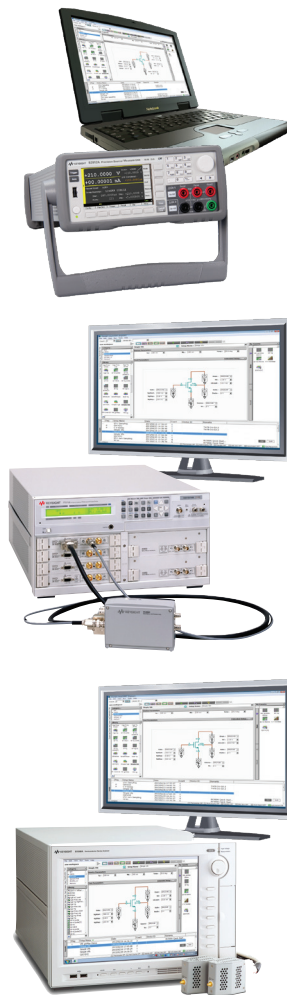


# Keysight Technologies Precision Current-Voltage Analyzer Series

The Precision Current-Voltage Analyzer Series ensures accurate and efficient current-voltage measurements that give a clear insight into IV characteristics across a wide range of applications



- The powerful characterization software and integrated source and measurements units (SMUs) of the Precision Current-Voltage Analyzer series, make it much quicker and simpler to obtain accurate IV characterization, than it would be by using conventional power supplies, multi meters, curve tracers and bench-top SMUs.
- The EasyEXPERT group+ software supports all the characterization tasks such as measurement setup and execution, data analysis, data management and protection and so on, using the graphical intuitive user interface and mouse/keyboard operation. It's powerful capabilities are available for multiple users online or offline.
- The Precision Current-Voltage Analyzer Series provides a wide selection of IV analyzers suitable to your specific measurement needs. They range from an economic model to the most advanced analyzer capable of supporting cutting-edge applications.



## Economic IV Analyzer

The entry IV analyzer is available for a range of IV characterizations.

- An SMU provides versatility of 4-quadrant precision voltage/current source and voltage/current measurement.
- A combination of multiple SMUs (up to 8) quickly enables IV curve measurement and analysis without programming.
- EasyEXPERT group+ is available on your PC.

## Precision IV Analyzer

The high performance IV analyzer with current measurement capability as low as 0.1 fA along with SMU scalability is available for advanced IV characterization.

- Integration of multiple SMUs quickly enables IV curve measurement down to 0.1 fA and analysis without programming.
- Scalability and flexibility of configurable SMU modules up to 8 slots.
- EasyEXPERT group+ is available on your PC.

## Advanced Device Analyzer

The all in one analyzer supporting IV, CV, pulse/dynamic IV and more. Designed for all-round characterization from basic to cutting-edge applications.

- Integration of SMUs, C meter (CMU), pulse/dynamic IV module (WGFMU) and so on quickly enables a range of characterizations from IV to CV, pulse/dynamic IV and more on single box.
- Scalability and flexibility of configurable modules up to 10 slots.
- EasyEXPERT group+ is available either on a mainframe built-in PC with 15 inch touch screen or on your PC.

## Key specifications and features

		Economic IV Analyzer		Precision IV Analyzer			Advanced Device Analyzer		
Model Number		B2901A B2902A	B2911A B2912A	E5262A	E5263A	E5260A	E5270B	B1500A	B1505A
<b>Current-voltage measurement features</b>	Max. output	210 V/3 A (10.5 A pulse)	210 V/3 A (10.5 A pulse)	100 V/0.2 A	200 V/1 A	200 V/1 A	200 V/1 A	200 V/1 A	10 kV/1500 A
	Min. measurement resolution	100 fA/0.1 $\mu$ V	10 fA/0.1 $\mu$ V	5 pA/100 $\mu$ V	5 pA/100 $\mu$ V	5 pA/100 $\mu$ V	0.1 fA/0.5 $\mu$ V	0.1 fA/0.5 $\mu$ V	10 fA/0.5 $\mu$ V
	No. of SMU channels	1 to 8	1 to 8	2	2	1 to 8	1 to 8	1 to 10	1 to 10
	SMU channel upgradability	Instrument stacking	Instrument stacking	Not available	Not available	Scalable Modular	Scalable Modular	Scalable Modular	Scalable Modular
	Output connector type	Banana <sup>1</sup>	Banana <sup>1</sup>	Active Guard Shielded Triax	Active Guard Shielded Triax	Active Guard Shielded Triax	Active Guard Shielded Triax	Active Guard Shielded Triax	Active Guard Shielded Triax
	IV spot/sweep	DC/Pulse	DC/Pulse	DC/Pulse	DC/Pulse	DC/Pulse	DC/Pulse	DC/Pulse	DC/Pulse
<b>Advanced measurement features</b>	Capacitance Measurement (C-V, C-t, C-f, 1 KHz, 5 MHz)	No	No	No	No	No	No	Yes	Yes
	Ultra fast pulsed/transient IV (from 100 ns, 200 MSa/s, 10 V)	No	No	No	No	No	No	Yes	No
<b>Software features</b>	Keyboard and mouse operation	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Intuitive GUI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Automated graph capability	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Data exporting to Excel	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Built-in database for measurement setup and data	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Personal analyzer environment on multiple PCs	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>EasyEXPERT controller</b>	Built-in PC	No	No	No	No	No	No	Yes	Yes
	External PC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

1. Banana to Triaxial adapter is available

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Unlocking Measurement Insights

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 © Keysight Technologies, 2015, 2016  
 Published in USA, January 21, 2016  
 5992-0729EN  
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