

# Highly Stable & Clean Outputs Give Current/Voltage Sources the World's Best Performance

Keysight B2961A/62A 6.5 Digit Low Noise Power Source for Physics, Chemistry & Biotechnology Evaluation

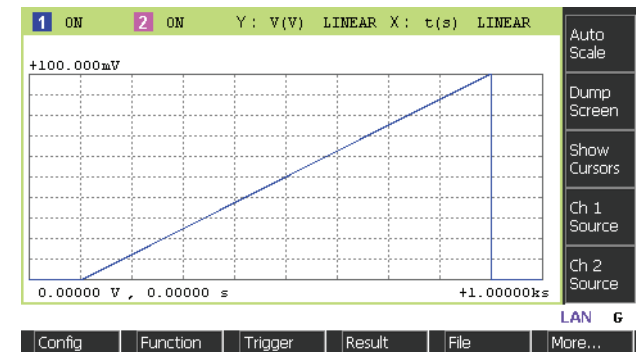
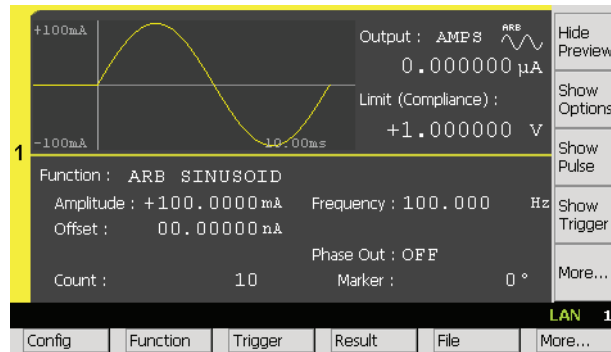
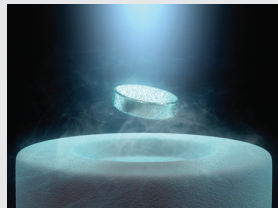
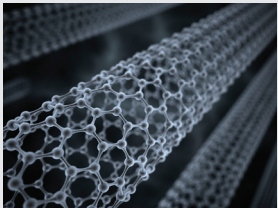
- Resolution to nA &  $\mu\text{V}$
- Both DC & Dynamic (1 mHz~10 kHz) outputs

The B2961A & B2962A are highly stable current/voltage sources ideal for evaluating the physical properties of materials and many types of samples



## Applications

- Material Science
- Organic Material/ Device
- Electrochemical
- Bio sensing
- Chemical Material



Highly stable and precise outputs ensure that you can detect all tiny signal variations emanating from materials under test

- Very stable and clean current/voltage output, with ranges of nA~10 A,  $\mu\text{V}$ ~210 V
- Capability to source Sinusoid, Pulse, Ramp waveforms at DC/1 mHz~10 kHz/100us~1Day<sup>1</sup>
- Maintain stable output even if the state of the sample changes
- Ability to monitor output accurately at high speed with 0.02 % accuracy and 10  $\mu\text{s}$  resolution eliminates the need for an additional ammeter or voltmeter

1. The maximum period for Sinusoid, ramp waveforms are limited to 1,000 s

## Key specification and characteristics

Model	Description	Voltage noise (10 Hz to 20 MHz)	Max output			Basic Accuracy	Min. source resolution		ARB	
			Voltage	DC current	Pulse current		Voltage	Current	Memory	Built-in functions
B2961A	Low noise power source 1 ch	3 mVrms	± 210 V	± 3.03 A	± 10.5 A	0.02 %	100 nV	0.01 pA	100 k points	Sinusoid, Square, Trapezoid, Ramp, Triangle, Exponential, User defined
B2962A	Low noise power source 2 ch									
B2961A with N1294A-022	B2961A with low noise filter option	350 $\mu$ Vrms <sup>1</sup>	± 210 V	± 3.03 A	± 3.03 A	0.02 %	100 nV	10 pA		
B2961A with N1294A-021	B2961A with ultra-low noise filter option	10 $\mu$ Vrms <sup>1</sup>	± 42 V	± 0.1 A	± 0.1 A	0.02 %	100 nV	10 pA		

1. Supplemental characteristics

## Options and accessories

Model	Option	Description
B2961A B2962A	A6J	ANSI Z540 compliant calibration
	UK6	Commercial calibration certificate with test data
	ABA	User's Guide, English
	ABJ	User's Guide, Japanese
	1CM	Rack mount kit
N1294A	001	Banana-triaxial adapter for 2-wire (non-Kelvin)
	002	Banana-triaxial adapter for 4-wire (Kelvin)
	021	Ultra low noise filter for B2961A/62A
	022	Low noise filter (210 V/3 A) for B2961A/62A
	031	GPIO-BNC trigger adapter

To Learn More....please visit our website below:  
[www.keysight.com/find/precisionSOURCE](http://www.keysight.com/find/precisionSOURCE)

### Keysight B2900 Precision Instrument Family

The B2960A series is a member of the B2900 Precision Instrument Family, which includes several different source and measurement solutions. Further information is available at: [www.keysight.com/find/b2900a](http://www.keysight.com/find/b2900a)



Three-Year Warranty

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Keysight's commitment to superior product quality and lower total cost of ownership. The only test and measurement company with three-year warranty standard on all instruments, worldwide.