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

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

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, µV–210 V
- Capability to source Sinusoid, Pulse, Ramp waveforms at DC/1 mHz–10 kHz/100us–1 Day
- 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 µs 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Voltage noise (10 Hz to 20 MHz)</th>
<th>Max output</th>
<th>Basic Accuracy</th>
<th>Min. source resolution</th>
<th>ARB</th>
<th>Options and accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>B2961A</td>
<td>Low noise power source 1 ch</td>
<td>3 mVrms</td>
<td>± 210 V ± 3.03 A ± 10.5 A</td>
<td>0.02 %</td>
<td>100 nV 0.01 pA</td>
<td>100 k points</td>
<td>Options and accessories: 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</td>
</tr>
<tr>
<td>B2962A</td>
<td>Low noise power source 2 ch</td>
<td></td>
<td>± 210 V ± 3.03 A ± 3.03 A</td>
<td>0.02 %</td>
<td>100 nV 10 pA</td>
<td></td>
<td>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</td>
</tr>
<tr>
<td>B2961A with N1294A-022</td>
<td>B2961A with low noise filter option</td>
<td>350 µVrms¹</td>
<td>± 210 V ± 3.03 A ± 3.03 A</td>
<td>0.02 %</td>
<td>100 nV 10 pA</td>
<td></td>
<td>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), N1294A 021 Ultra low noise filter for B2961A/62A</td>
</tr>
<tr>
<td>B2961A with N1294A-021</td>
<td>B2961A with ultra-low noise filter option</td>
<td>10 µVrms¹</td>
<td>± 42 V ± 0.1 A ± 0.1 A</td>
<td>0.02 %</td>
<td>100 nV 10 pA</td>
<td></td>
<td>N1294A 002 Banana-triaxial adapter for 4-wire (Kelvin)</td>
</tr>
</tbody>
</table>

1. Supplemental characteristics

Options and accessories

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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

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