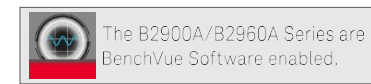


Keysight B2900 Precision Instrument Family

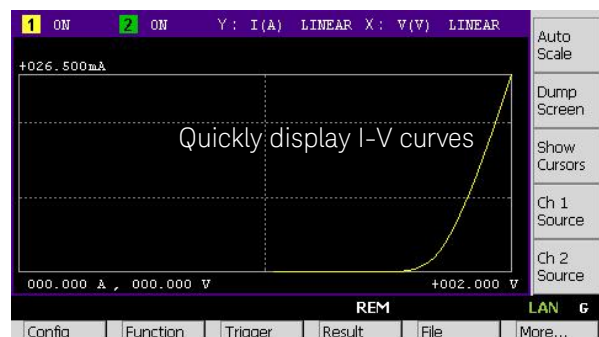
The B2900 precision instrument family helps you achieve critical precision source and measurement goals.



B2900A Series Precision Source/Measure Units



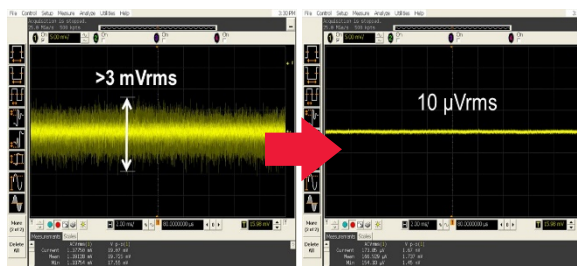
- Precision source and measurement capabilities with intuitive GUI
- Display I-V curves and other types of graphs on the front panel
 - Best-in-class 6.5-digit sourcing and measurement resolution
 - Wide application coverage from 100 nV/10 fA to 210 V/3 A DC and 10.5 A pulsed
 - Multiple software control options, allowing you to choose the solution that best fit your particular application



B2960A Series Low Noise Power Sources

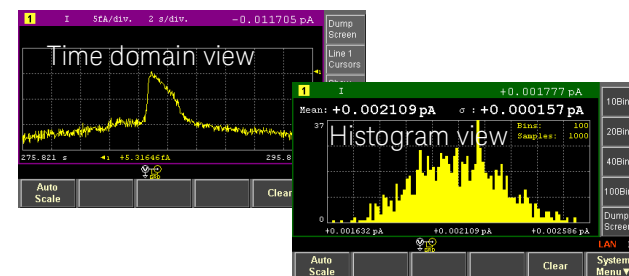


- High precision voltage and current sources with best-in-class noise performance
- 10 μ Vrms ultra-low noise precision source
 - Unmatched current and voltage sourcing resolution (6.5-digit, 100 nV/10 fA)
 - Innovative and precision ARB capability; 6 built-in waveforms with speeds up to 10 kHz



B2980A Series Femto/Picoammeters and Electrometers

- Measure materials and devices with confidence down to 0.01 fA and up to 10 P Ω
- Best-in-class 2 pA range and 0.01 fA resolution provide unprecedented performance
 - Integrated 1000 V source supports resistance measurements up to 10 P Ω
 - Battery model eliminates AC power line noise
 - Graphical time domain and histogram views facilitate quick debug and analysis



Learn more at: www.keysight.com

Find us at www.keysight.com

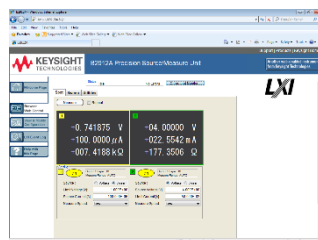
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Key specifications

Model number	B2901A/02A	B2911A/12A	B2961A/62A				B2981A	B2983A	B2985A	B2987A	
			No Filter	N1294A-022 (Low noise)	N1294A-021 (Ultra-low noise)	N1294A-020 (High current ultra-low noise)					
Type	Source/Measure Unit		Precision Voltage/Current Source				Femto/Picoammeter		Electrometer		
Number of channels	1 or 2		1 or 2				1				
Source	Resolution		5.5 digit	6.5 digit		6.5 digit		—		5.5 digit	
	Max. output	Current (DC)	3.03 A ¹		3.03 A ¹	3.03 A	105 mA	500 mA		—	
		Voltage	210 V		210 V	210 V	42 V	21 V		1000 V	
	Min. resolution	Current	1 pA	10 fA		10 fA	10 pA	10 pA		1 nA	
		Voltage	1 μV	100 nV		100 nV	100 nV		—	700 μV	
Voltage output noise		3 mVrms		3 mVrms	350 μVrms	10 μVrms		10 μVrms			
Measurement	Resolution		6.5 digit		4.5 digit		6.5 digit		20 mA		
	Max.	Current (DC)	3.03 A ¹		3.03 A ¹	3.03 A	105 mA	500 mA		—	
		Voltage	210 V		210 V	210 V	42 V	21 V		20 V	
		Resistance	—		—	—	—	—		10 PΩ	
	Charge	—		—	—	—	—		2 μC		
	Min. resolution	Current	100 fA	10 fA		1 pA	1 nA	1 nA		100 nA	
		Voltage	100 nV		100 nV		100 nV		—		
		Resistance	—		—		—		—		
Charge	—		—		—		—		1 fC		
DC sweep functions		Linear/log single, linear/log double, list		Linear/log single, linear/log double, list				—		Linear single/double, list	
ARB functions		—		Sinusoid, square, trapezoid, ramp, triangle, exponential, user defined				—		Square	
Battery operation		—		—				—	Yes	—	Yes
Software control options	BenchVue		Yes		Yes				—		
	Graphical Web Interface		Yes		Yes				Yes		
	Quick I/V Measurement Software		Yes		Yes				Yes		
	EasyEXPERT group+		Yes		—				—		

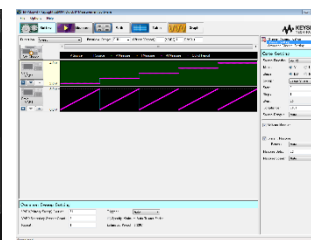
1. 10.5 A(pulse)



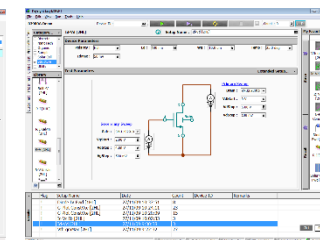
Graphical Web Interface



BenchVue



Quick I/V Measurement Software



EasyEXPERT group+

Learn more at: www.keysight.com

www.keysight.com/find/b2900a

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