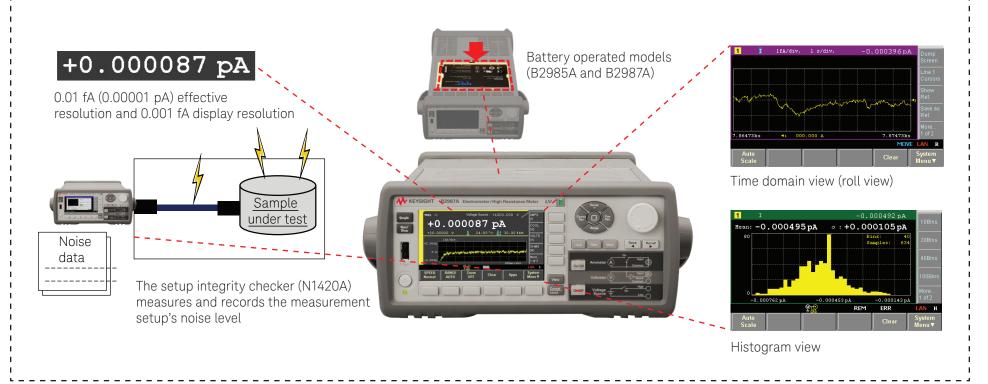
Keysight B2980A Series Femto/Picoammeter & Electrometer/High Resistance Meter

The world's only graphical Picoammeter/Electrometer that can confidently measure down to 0.01 fA and up to 10 P Ω

Key features and benefits

- Best-in-class 2 pA to 20 mA ranges and internal 1,000 V source ensure accurate 0.01 fA and 10 PΩ measurement capabilities
- Battery operation eliminates AC power noise from measurements
- Time domain view enables capture of transient signal effects and selection of desired measurement data
- Real time histogram view provides quick statistical analysis of measurement data
- Test setup integrity checking function and dedicated accessories ensure maximum accuracy





Key specifications and prices

Model	Femto/Picoammeter		Electrometer/High resistance meter	
	B2981A	B2983A	B2985A	B2987A
Measurement resolution	6½ digits	6½ digits	6½ digits	6½ digits
Current measure	0.01 fA to 20 mA	0.01 fA to 20 mA	0.01 fA to 20 mA	0.01 fA to 20 mA
Minimum range	2 pA	2 pA	2 pA	2 pA
Resistance measure			Up to 10 PΩ	Up to 10 PΩ
Voltage measure			1 μV to 20 V	1 μV to 20 V
Input resistance			> 200 TΩ	> 200 TΩ
Charge measure			1 fC to 2 μC	1 fC to 2 μC
Temperature measurement			1	1
Humidity measurement			1	1
Voltage source			Up to ± 1,000 V	Up to ± 1,000 V
Minimum resolution			700 μV	700 μV
Reading rate	20,000 rdg/s	20,000 rdg/s	20,000 rdg/s	20,000 rdg/s
Battery operation		1		1

Keysight B2900 Precision Instrument Family

The B2980A 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







B2960A Series of Low Noise Power Source for ultra low noise and more sourcing capabilities

Options

Model number	Options	Description
B2981A	A6J	ANSI Z540-1-1994 Calibration
B2983A	LIVE	Commercial collibration contificate with took data
B2985A	- UK6	Commercial calibration certificate with test data
B2987A	B2980A-1CM	Rack mount kit

Key accessories

Model number	Description
N1412A/B/C	Triaxial cable, 500 V
N1413A	High resistance meter fixture adapter
N1414A	High resistance measurement universal adapter
N1415A	Triaxial to alligator cable, 200 V, 1.5 m
N1418A	Lithium-ion battery pack for B2983/B2987
N1424A/B/C	Resistivity cell for N1413 with B2980 Series
N1428A	Component test fixture for N1413 with B2980 Series

Productivity tools

Model number	Description	
N1410A	Starter kit for B2985/B2987	
N1420A	Setup integrity checker for B2980 series, fixed perpetual license	

Manuals

Model number	Description
N1403A-ABA	User Guide English for B2980 Series
N1403A-ABJ	User Guide Japanese for B2980 Series

Refer to Keysignt.com website for product details, technical overviews and other information. Please visit www.keysight.com/find/b2980a

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