Product Fact Sheet

Keysight 8990B Peak Power Analyzer

Designed for faster measurement speed and greater measurement accuracy
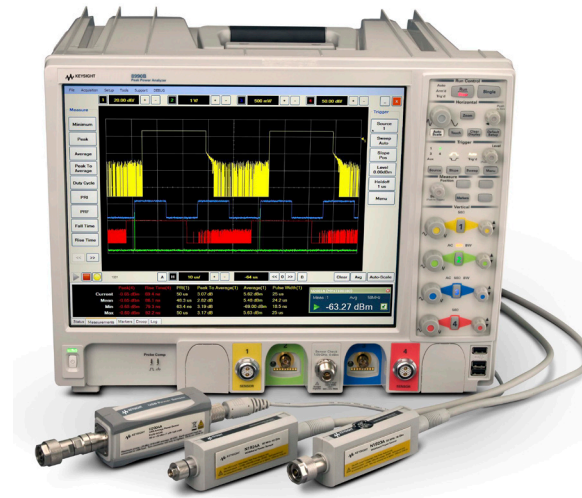
Ease of use

Built for ease of use, the 8990B is easy to set, trigger and measure pulse measurements with.

High performance

Achieve 5 nanosecond rise time/fall time – the fastest rise time/fall time in the peak power measurement market – when you combine the 8990B with the N1923A or N1924A wideband power sensor.

Other features

- Internal zero and calibration
- 15 pulse characterization measurements, including duty cycle, rise time, pulse top, PRI and PRF
- Dual screen zoom window
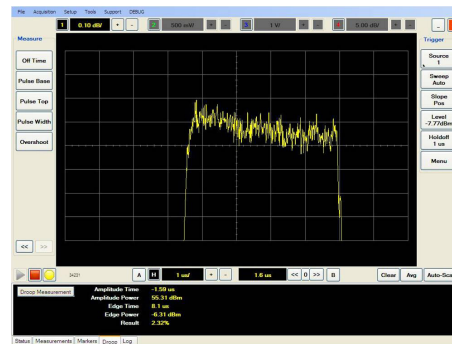- Backward compatibility with Keysight P-series sensors and U2000 series USB sensors

Key specifications

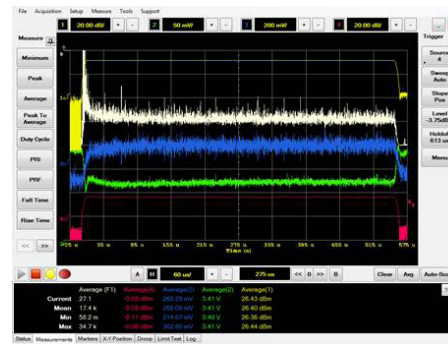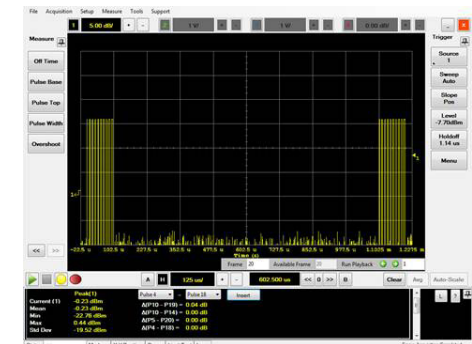| Model	Description
Frequency range	50 MHz to 40 GHz [1]
Rise time/fall time	5 ns
Video bandwidth	30 MHz (single shot)
	160 MHz (repetitive)
Dynamic range	−35 to +20 dBm
Sampling rate	100 MSa/s (real time),
	1 GSa/s (ETS On),
	20 GSa/s
Display	15 in XGA color display with touchscreen capability
Channels	4 channels (2 RF and 2 video)

1. Sensor dependent.

The removable hard drive option adds an additional layer of data security for users working in sensitive design environments.

Remove the need to manually manipulate horizontal markers with the 8990B's automated Pulse Droop measurement.

Easily calculate the power-added efficiency (PAE) of power amplifiers, and display instant PAE traces on the 8990B's display.

Continuously trigger and capture up to 512 pulses with the new multi-pulse measurement feature.

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Ordering information

Options	Description
Peak power analyzer	
8990B	**Peak power analyzer**
Sensors	
N1923A	Wideband power sensor, 50 MHz to 18 GHz
N1924A	Wideband power sensor, 50 MHz to 40 GHz

Standard-shipped accessories for the 8990B peak power analyzer
– Optical mouse
– Stylus pen
– Mini keyboard
– Calibration certificate
– IO Libraries Media Suite
– 50 Ω BNC cable

Standard-shipped accessories for the N1923A/N1924A wideband power sensor
– Calibration certificate
– N1923A/N1924A wideband power sensor operating and service guide – English

Options

Options	Description
Meter	
8990B-800	Standard hard drive, installed
8990B-801	Removable hard drive, installed
8990B-U01	With USB host
8990B-U02	Without USB host
Sensors	
N1923A/24A-105	Fixed cable option length, 1.5 m (5 ft)
N1923A/24A-106	Fixed cable option length, 3 m (10 ft)
Other accessories	
8990B-1CM	Rackmount kit, 8U full rack
N6924A	Additional hard drive with image
Calibration	
8990B-1A7	Compliant calibration test data - ISO17025, printed
8990B-A6J	Certificate of compliance calibration - ANSI/NCSL Z540, printed
N1923A/24A-1A7	Certificate of compliance calibration - ISO 17025 with test data; printed
N1923A/24A-A6J	Certificate of compliance calibration - ANSI Z540 with test data; printed
Documentation	
8990B-0BF	English language programming guide, printed
8990B-0BK	English language user and programming guide, printed
8990B-0BW	English language service guide, printed
8990B-ABJ	Japanese user guide and English programming guide, printed
N1923A/24A-ABJ	Japan, Japanese user guide, printed
N1923A/24A-0B1	English language user guide, printed
N1923A/24A-0BN	English language service guide, printed
Software	
8990B-1FP	Multi-pulse analysis software, fixed perpetual license
N6903A	Multi-pulse analysis software

The Keysight N1923A and N1924A wideband power sensors.

Refer to Keysight.com website for product details, application notes and other information, visit www.keysight.com/find/peakpoweranalyzer

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