# 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



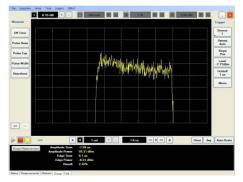
### Key specifications

Model	Description
Frequency range	50 MHz to 40 GHz <sup>1</sup>
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)

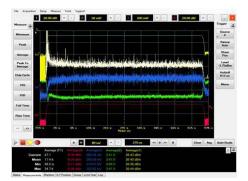
1. Sensor dependent.



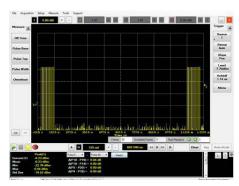
The removable hard drive option adds an additional layer of data security for users working in sensitive design environments.



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.



### 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
- $-50 \Omega$  BNC cable

Standard-shipped accessories for the N1923A/N1924A wideband power sensor

- Calibration certificate
- N1923A/N1924A wideband power sensor operating and service guide – English

#### Warranty

- Standard 3-years, return-to-Keysight warranty and service plan
- 3 months for standard-shipped accessories

### Options

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 Warranty and 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-OB1 English language user guide, printed	optionio -	5 1.0
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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

#### Three-Year Warranty



# www.keysight.com/find/ThreeYearWarranty

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.

### Keysight Assurance Plans



www.keysight.com/find/AssurancePlans
Up to five years of protection and no budge

Up to five years of protection and no budgetary surprises to ensure your instruments are operating to specification so you can rely on accurate measurements.

