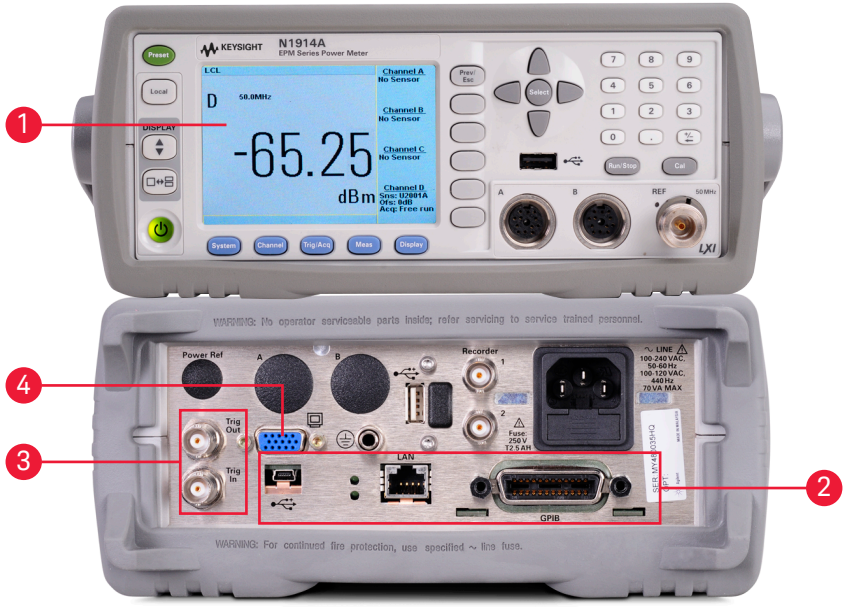
Product Fact Sheet

Keysight N1913A and N1914A EPM Series Power Meters

The N1913A/14A EPM Series is BenchVue software enabled.

Replacing the Keysight E4418B/19B EPM Series with useful enhancements at a similar price

The N1913A/14A EPM Series power meters are versatile, user-friendly solutions for average power measurements on one, two or four channels. They deliver fast, repeatable, reliable results for applications in aerospace/defense, wireless, general electronics, and more.



1. View test results more easily with the industry's first high-resolution color LCD in an average power meter.
2. Go beyond GPIB with USB and LAN/LXI-C interface.
3. Automate frequency/power sweep measurements with the optional external trigger IN/OUT feature.
4. Enhance manufacturing test by connecting a large external monitor with the unique VGA output option.

Improved measurement speed: Up to 400 readings/s

Get up to four [1] channels to speed and simplify RF average power measurements

Confirm battery power with a single-button push [2] – and get extra operation time with the optional spare battery

Easily replace existing 436A, 437B and 438A with optional 43x code compatibility [3].

1. The N1913A and N1914A comes with one and two channels respectively. Two optional USB channels are available (see Ordering Information)
2. Only available on meters with battery option
3. N1913A is backward compatible with the 436A and 437B while N1914A is compatible with 438A

KEYSIGHT TECHNOLOGIES

Unlocking Measurement Insights

Ordering information

Model	Description
N1913A	Single-channel average power meter
N1914A	Dual-channel average power meter
N191xA-101	Single/dual-channel average power meter
N191xA-201	Single/dual-channel average power meter with VGA, trigger in/out, 1 front and 1 rear USB port
N191xA-B01	Without battery
N191xA-C01	Front calibrator, front sensor
N191xA-C02	Front calibrator, parallel front and rear sensor
N191xA-C03	Rear calibrator, parallel front and rear sensor
N1913A-200	Code compatibility for 436A and 437B
N1914A-200	Code compatibility for 438A

Refer to the data sheet for more information.

Each unit is shipped with

- 11730A power sensor cable: 1.5 m/5 ft (one cable for N1913A, two cables for N1914A)
- Power cord
- USB adapter cable
- Standard calibration certificate
- Documentation CD-ROM
- Keysight Instrument Control DVD
  - IO Libraries Suite
  - Command Expert
  - BenchVue Software Platform
  - 30-day free trial of BenchVue Power Meter/Sensor Control and Analysis app

Essential specifications

- Measurement speed: Up to 400 readings/sec with E-Series sensors
- Absolute accuracy: ± 0.02 dB logarithmic, ± 0.5 % linear
- Relative accuracy: ± 0.04 dB logarithmic, ± 1 % linear

Compatible power sensors

U2000 Series USB power sensors
- 9 kHz to 24 GHz
- –60 dBm to +44 dBm

U2020X Series USB power sensors
- 50 MHz to 18/40/50 GHz
- -40 dBm to +20 dBm

U2040X Series USB power sensors
- 10 MHz to 6/18/33 GHz
- -70 dBm to +20/26 dBm

U8480 Series USB power sensors
- DC to 120 GHz
- -35 dBm to +20 dBm

E441xA & E9300 E-Series power sensors
- 9 kHz to 26.5 GHz
- –70 dBm to +44 dBm

N8480 Series thermocouple power sensors
- 100 kHz to 50 GHz
- –35 dBm to +44 dBm

848xD Series/V8486A/W8486A diode power sensors
- 10 MHz to 110 GHz
- –70 dBm to +20 dBm

Optional accessories

Cables	
11730A	Power sensor cable: 1.5 m/5 ft
11730B	Power sensor cable: 3.0 m/10 ft
11730C	Power sensor cable: 6.1 m/20 ft
11730D	Power sensor cable: 15.2 m/50 ft
11730E	Power sensor cable: 30.5 m/100 ft
11730F	Power sensor cable: 61 m/200 ft
Other accessories	
34131A	Transit case
34141A	Soft carrying case
34161A	Accessory pouch
N191xA-300	Spare battery pack
N191xA-908	Rackmount kit (one instrument)
N191xA-909	Rackmount kit (two instruments)
Software	
BV0007B	Power Meter/Sensor Control and Analysis app license
GPIB products	
82357B	USB/GPIB converter
10833x	GPIB cables

Keysight Assurance Plans
www.keysight.com/find/AssurancePlans
Up to ten years of protection and no budgetary surprises to ensure your instruments are operating to specification so you can rely on accurate measurements.

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Published in USA, October 6, 2017
5990-3906EN
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