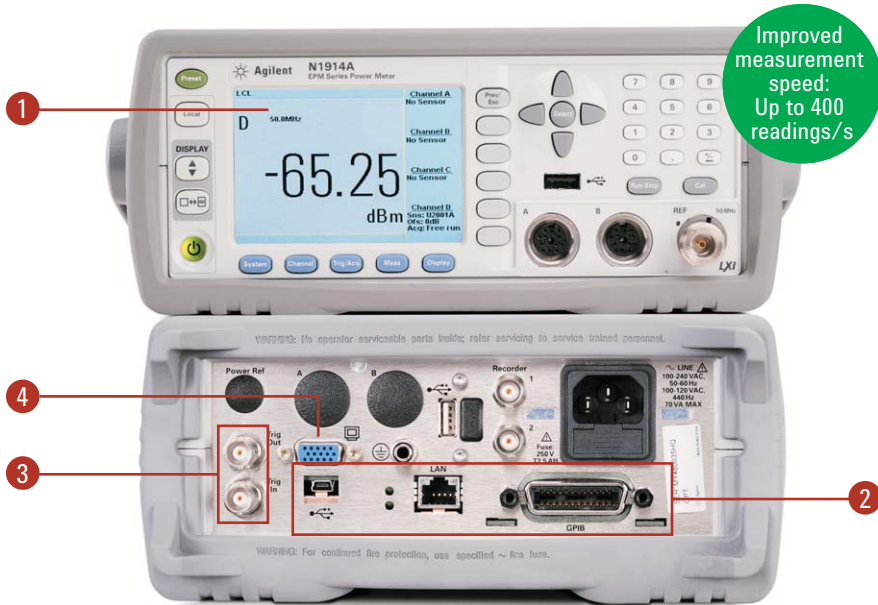
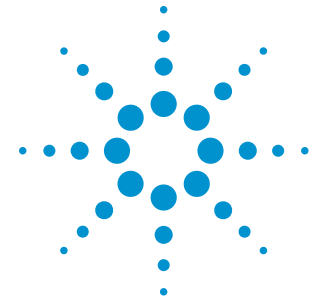


# Agilent N1913A and N1914A EPM Series Power Meters

Replacing the Agilent 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.



Improved measurement speed: Up to 400 readings/s

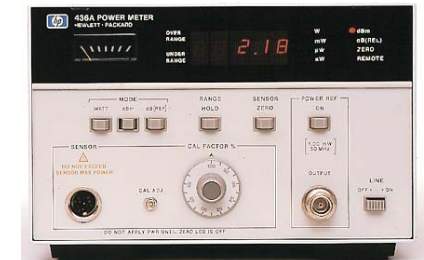


Get up to four<sup>1</sup> channels to speed and simplify RF average power measurements.

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.



Confirm battery power with a single-button push<sup>2</sup> — and get extra operation time with the optional spare battery.



Easily replace existing 436A, 437B and 438A with optional 43x code compatibility<sup>3</sup>.

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.



# Quick Fact Sheet

## Ordering information

Model	Description
N1913A	Single-channel average power meter
N1914A	Dual-channel average power meter
N191xA-102	Single/dual-channel average power meter, battery
N191xA-103	Single/dual-channel average power meter, battery, two rear USB ports
N191xA-104	Single/dual-channel average power meter, VGA
N191xA-105	Single/dual-channel average power meter, battery, one front and one rear USB port, VGA
N191xA-106	Single/dual-channel average power meter, one front and one rear USB port
N191xA-107	Single/dual-channel average power meter, external trigger IN/OUT
N191xA-108	Parallel rear panel sensor input connectors and front panel reference calibrator connector, two rear USB ports
N191xA-109	Parallel rear panel sensor input connectors and rear panel reference calibrator connector, two rear USB ports
N1913A-200	436A and 437B code compatibility
N1914A-200	438A code compatibility

## 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 adaptor cable
- Standard calibration certificate
- Users and Programming guide (English version, in hardcopy and CD-ROM)
- Installation guide
- IO Libraries CD-ROM
- Standard 12-month, return-to-Agilent warranty and service plan

## Essential specifications

- Frequency range: 9 kHz to 110 GHz
- Power range: -70 dBm to +44 dBm (100 pW to 25 W, depending on the attached power sensor)
- Measurement speed: Up to 400 readings/sec with E-Series sensors
- Absolute accuracy:  $\pm 0.02$  dB logarithmic,  $\pm 0.5$  % linear
- Relative accuracy:  $\pm 0.04$  dB logarithmic,  $\pm 1$  % linear

### Compatible power sensors



#### U2000 Series USB power sensors

- 9 kHz to 24 GHz
- -60 dBm to +44 dBm



#### E4410 & 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

### 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)

### Warranty

R-50C-011-3	Agilent Calibration Upfront Plan 3-year coverage
R-50C-011-5	Agilent Calibration Upfront Plan 5-year coverage
R-51B-001-3C	1 year Return-to-Agilent warranty extended to 3 years
R-51B-001-5C	1 year Return-to-Agilent warranty extended to 5 years

### GPIB products

82357B	USB/GPIB converter
10833x	GPIB cables

### Recommended service options

Additional two years of Return-to-Agilent warranty  
 Additional two years of Return-to-Agilent calibrations  
 For more information go to [www.agilent.com/find/removealldoubt](http://www.agilent.com/find/removealldoubt)

