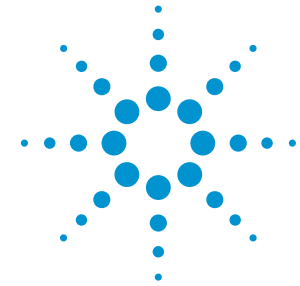


Quick Fact Sheet

Agilent N8480 Series Thermocouple Power Sensors

With best-in-class linearity, industry's widest frequency and dynamic range, and EEPROM capability. Agilent N8480 series sensors are widely used in the wireless communications, electronics manufacturing, aerospace/defense applications, and beyond.



Additional N8488A is now available to meet all your test needs

Key features

- World's first AC-coupled sensor with widest frequency range (N8488A)
- High accurate results with best-in-class power linearity of less than 1%
- The industry's widest dynamic range in a thermocouple power measurement solution
- Calibrate easily with automatic upload of calibration factors using the built-in EEPROM feature
- Easily replace the 8480 Series sensors with SCPI code compatibility (with option CFT, except for N8488A)
- Get backward compatibility with Agilent EPM Series (new N1913A/14A, E4418B/19B), EPM-P Series (E4416A/17A) and P-Series (N1911A/12A) power meters

Note: N8480 sensors are not compatible with legacy 43x power meters

Key specifications

Frequency range	100 kHz to 67 GHz (usable up to 70 GHz, sensor dependent)
Dynamic range	55 dB (-35 dBm to +44 dBm, sensor dependent)
Power linearity	< 1%

Agilent's new N8488A with widest frequency coverage:
10 MHz to 67 GHz (usable up to 70 GHz)



Quick Fact Sheet

Agilent N8480 Series Thermocouple Power Sensors

Ordering Information

Model	Frequency range	Power range	Connector type	Replaced model
N8481A	10 MHz to 18 GHz	-35 to +20 dBm (STD) -30 to +20 dBm (CFT)	N-type (male)	8481A
N8482A	100 kHz to 6 GHz	-35 to +20 dBm (STD) -30 to +20 dBm (CFT)	N-type (male)	8482A
N8485A	10 MHz to 26.5 GHz	-35 to +20 dBm (STD) -30 to +20 dBm (CFT)	3.5 mm (male)	8485A
N8487A	50 MHz to 50 GHz	-35 to +20 dBm (STD) -30 to +20 dBm (CFT)	2.4 mm (male)	8487A
N8481B	10 MHz to 18 GHz	-5 to +44 dBm (STD) 0 to +44 dBm (CFT)	N-type (male)	8481B
N8482B	100 kHz to 6 GHz	-5 to +44 dBm (STD) 0 to +44 dBm (CFT)	N-type (male)	8482B
N8481H	10 MHz to 18 GHz	-15 to +35 dBm (STD) -10 to +35 dBm (CFT)	N-type (male)	8481H
N8482H	100 kHz to 6 GHz	-15 to +35 dBm (STD) -10 to +35 dBm (CFT)	N-type (male)	8482H
N8486AR	26.5 GHz to 40 GHz	-35 to +20 dBm (STD) -30 to +20 dBm (CFT)	Waveguide	R8486A
N8486AQ	33 GHz to 50 GHz	-35 to +20 dBm (STD) -30 to +20 dBm (CFT)	Waveguide	Q8486A
N8488A (NEW)	10 MHz to 67 GHz	-35 to +20 dBm (STD)	1.85 mm (male)	-

Options description:

- STD - N8480 sensors with EEPROM, automatic loading of calibration factors to power meter.
- CFT - N8480 sensors with calibration factor data provided on the label attached to the sensor. Similar functionality as the 8480 series.

Affordable price without compromising performance

Accessories, calibration and documentation options

Type	Description
Connectors	Option 100 Type-N (male) connector for N8481A/N8482A/N8481B/N8482B/N8481H/N8482H • 3.5 mm (male) connector for N8485A • 2.4 mm (male) connector for N8487A • Waveguide connector for N8486AR/N8486AQ • 1.85 mm (male) connector for N8488A
	Option 200 APC-7 (male) connector for N8481A only
Cables	11730A/B/C/D/E/F cable For EPM* Series power meters: 1.5 m (5 ft)/3.0 m (10 ft)/6.1 m (20 ft)/15.2 m (50 ft)/30.5 m (100 ft)/61.0 m (200 ft), grey
	E9288A/B/C cable For EPM* and EPM-P Series power meters: 1.5 m (5 ft)/3.0 m (10 ft)/10.0 m (31 ft), blue
	N1917A/B/C cable For P-Series power meters: 1.5 m (5 ft)/3.0 m (10 ft)/10.0 m (31 ft)
Calibration	Option 1A7 ISO 17025 calibration with test data
	Option A6J ANSI Z540 calibration with test data
Warranty	Option R-51B-001-3C Extended warranty and service plan from 1 year to 3 years
	Option R-51B-001-5C Extended warranty and service plan from 1 year to 5 years
Documentation	Option OB1 Operating and service guide (English)
	Option ABJ Operation and service guide (Japanese)

- EPM Series includes the N1913A/14A and E4418B/19B.

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

Agilent average power sensors

