

KEYSIGHT TECHNOLOGIES (AGILENT HP)

N1921A

The Keysight N1921A is a P-Series wideband power sensor designed for accurate peak, average, and peak-to-average ratio power measurements. With a frequency range of 50 MHz to 18 GHz and a wide 30 MHz video bandwidth, it is well-suited for characterizing broadband and pulsed signals in aerospace, defense, and wireless communication applications. It features internal zero and calibration capabilities and stores its calibration factors in an internal EEPROM.

SPECIFICATIONS

Physical

Operating Temperature	0 °C to 55 °C °C
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Key Specifications

Frequency Range	50 MHz to 18 GHz
Power Range	-35 dBm to +20 dBm
Nominal Impedance	50 Ω
Maximum Continuous Wave (CW) Power	+23 dBm
RF Connector Type	Type-N (male)
Sensor Technology	Diode

Measurement Performance

Video Bandwidth	≤ 30 MHz
Rise Time	≤ 13 ns
Fall Time	≤ 13 ns

Calibration & Accuracy

Internal Zero and Calibration Capability	Included
Calibration Factor EEPROM	Yes

Connectivity & Compatibility

Compatible Power Meters	Keysight N1911A, N1912A, N8262A
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TECHNOLOGY

Wideband Diode Power Sensor

APPLICATIONS

RF and Microwave Power Measurement

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.