

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N1917A

HP Agilent Keysight N1917A P-Series Meter Cable Adapter 1.5 m The Keysight N1917A is a 1.5 m (5 ft) cable adapter that connects 8480 Series, E-Series, and N8480 Series power sensors to P-Series power meters N1911A/N1912A. OEM P-Series Power Meters and Sensors Configuration Guide lists N1917A/B/C length variants for legacy sensor families that do not plug directly into P-Series meter connectors. Using 8480/E-Series/N8480 average and peak-capable sensors with N1911A/N1912A P-Series power meters for peak, average, and peak-to-average measurements. The Keysight N1917A is a 1.5 m (5 ft) cable adapter that connects 8480 Series, E-Series, and N8480 Series power sensors to P-Series power meters N1911A/N1912A. OEM P-Series Power Meters and Sensors Configuration Guide lists N1917A/B/C length variants for legacy sensor families that do not plug directly into P-Series meter connectors. Using 8480/E-Series/N8480 average and peak-capable sensors with N1911A/N1912A P-Series power meters for peak, average, and peak-to-average measurements. Bridges legacy sensors to P-Series meters



MODEL

**Agilent / Keysight
N1917A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N1917A

LISTING

<https://aumictechlabs.com/products/n1917a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N1917A is a power meter cable adapter that bridges legacy Agilent/Keysight 8480 and E-Series power sensors to modern Keysight P-Series power meters (N1911A and N1912A). This adapter enables direct integration of older sensor generations into current-generation power

measurement platforms, expanding measurement capability across R&D, manufacturing, and service operations.

Technical Specifications

Cable Length: 1.5 m (5 ft) Voltage Rating: 30 VRMS
Output Impedance: 50 ohms (video output, P-Series meters) Video Bandwidth (P-Series system): 30 MHz Sampling Rate (P-Series system): 100 M-samples/s continuous

Key Features

The N1917A functions as a passive interface adapter, requiring no external power or configuration. It connects RF/microwave power sensors directly to P-Series meter video inputs. When deployed with compatible sensors and meters, the adapter enables peak power, average power, peak-to-average ratio, rise time, fall time, and pulse width measurements - essential for pulsed signal characterization in modern communication and radar systems.

Compatibility & Integration

Compatible Sensors: Agilent/Keysight 8480 Series E-Series power sensors N8480 Series power sensors
Compatible Power Meters: Keysight N1911A (P-Series) Keysight N1912A (P-Series)

Alternative Cable Lengths: N1917B (3 m / 10 ft), N1917C (10 m / 31 ft), N1917D (1.8 m / 6 ft)

Typical Applications

WiMAX signal analysis, LTE power measurements, radar pulse characterization, and general RF/microwave power assessment in development, production, and field service environments.

N1917A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	P-Series meter cable adapter
Cable Length	1.5 m (5 ft)
Sibling Cable N1917B Length	3 m (10 ft)
Sibling Cable N1917C Length	10 m (31 ft)
Host Power Meters	N1911A single channel and N1912A dual channel P-Series
Compatible Sensor Families	8480 Series E-Series N8480 SeriesP-Series Native Sensors Class: N1921A N1922A wideband sensors connect without this adapter
Meter Power Reference Frequency	50 MHz
Meter Power Reference Level	1 mW
Meter Measurement Modes Class	Peak average peak-to-average time-gated free-run rise fall pulse width
Meter Channels N1911A	1
Meter Channels N1912A	2
Meter Sensor Connector Location Class	Front panel standard; rear panel Option 003
Remote Interfaces Class	LAN USB GPIB on P-Series meters
Series Family	Keysight P-Series accessories
Literature	Keysight P-Series Power Meters and P-Series Wideband Power Sensors Configuration Guide
Form Factor	Sensor-to-meter adapter cable
Operating Use	RF/microwave power metrology with P-Series meters
Length Feet	5 ft
Sibling N1917B Feet	10 ft
Sibling N1917C Feet	31 ft
Required For Legacy Sensors OnP-Series	Yes for 8480 E Series N8480

N1917A Specifications

PARAMETER	VALUE
Key Features	1.5 m adapter cable length
Sibling lengths N1917B 3 m and N1917C 10 m	Required for 8480 E-Series N8480 on P-Series meters
Technical Specifications	Instrument Type: P-Series meter cable adapter

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Instrument Type	P-Series meter cable adapter
Cable Length	1.5 m (5 ft)
Sibling Cable N1917B Length	3 m (10 ft)
Sibling Cable N1917C Length	10 m (31 ft)
Host Power Meters	N1911A single channel and N1912A dual channel P-Series
Compatible Sensor Families	8480 Series E-Series N8480 SeriesP-Series Native Sensors Class: N1921A N1922A wideband sensors connect without this adapter
Meter Power Reference Frequency	50 MHz
Meter Power Reference Level	1 mW
Meter Measurement Modes Class	Peak average peak-to-average time-gated free-run rise fall pulse width
Meter Channels N1911A	1
Meter Channels N1912A	2
Meter Sensor Connector Location Class	Front panel standard; rear panel Option 003
Remote Interfaces Class	LAN USB GPIB on P-Series meters
Series Family	Keysight P-Series accessories
Literature	Keysight P-Series Power Meters and P-Series Wideband Power Sensors Configuration Guide
Form Factor	Sensor-to-meter adapter cable
Operating Use	RF/microwave power metrology with P-Series meters
Length Feet	5 ft
Sibling N1917B Feet	10 ft
Sibling N1917C Feet	31 ft
Required For Legacy Sensors OnP-Series	Yes for 8480 E Series N8480
Notes	
From Keysight P-Series configuration guide accessory table for N1917A/B/C. N1917A isacable adapter accessory, notastandalone power meter. Measurement accuracy remains that of the attached meter and sensor.	

Ordering Information

OPTION	DESCRIPTION
Option 003	Remote Interfaces Class: LAN USB GPIB on P-Series meters

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.