

# Keysight N1921A Option C35

## Product Note

The Keysight N1921A Option C35 is a P-Series wideband power sensor (50 MHz to 18.5 GHz) with a 3.5 mm male input connector designed for use with the P-Series power meters only. All standard specifications apply (as per 5989-2471EN). N1922A specifications apply for frequencies above 18 GHz (18 to 18.5 GHz).

### Physical Specifications

Length: 126 mm

Width: 40 mm

Height: 27 mm

#### NOTE

For information concerning the operation and connections, refer to the N1921A P-Series Wideband Power Sensor Operating and Service Guide.

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# Sensor Calibration Uncertainty

Uncertainty resulting from non-linearity in the sensor detection and correction process. This can be considered as a combination of traditional linearity, cal factor and temperature specifications and the uncertainty associated with the internal calibration process.

**Table 1-1**      **Sensor Calibration Uncertainty**

Frequency Band	N1921A Option C35
50 MHz to 500 MHz	4.5%
> 500 MHz to 1 GHz	4.0%
> 1 GHz to 10 GHz	4.0%
> 10 GHz to 18 GHz	5.0%
> 18 GHz to 18.5 GHz	5.9%

**Table 1-2**      **Maximum Test System Uncertainty**

Frequency	Station Uncertainty (k=2)	Sensor Cal Uncertainty (k=2)	Total Uncertainty (k=2)
50 MHz to 500 MHz	2.7%	4.5%	7.2%
> 500 MHz to 1 GHz	2.5%	4.0%	6.5%
> 1 GHz to 10 GHz	2.6%	4.0%	6.6%
> 10 GHz to 18 GHz	2.7%	5.0%	7.7%
> 18 GHz to 18.5 GHz	3.3%	5.9%	9.2%

Inspect the shipping container. If the container or packing material is damaged, it should be kept until the contents of the shipment have been checked mechanically and electrically. If there is mechanical damage or if the instrument does not pass the performance tests, notify the nearest Keysight Technologies office. Keep the damaged shipping materials (if any) for inspection by the carrier and a Keysight Technologies representative.

To contact Keysight for sales and technical support, refer to Keysight worldwide website at: [www.keysight.com/find/assist](http://www.keysight.com/find/assist).

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