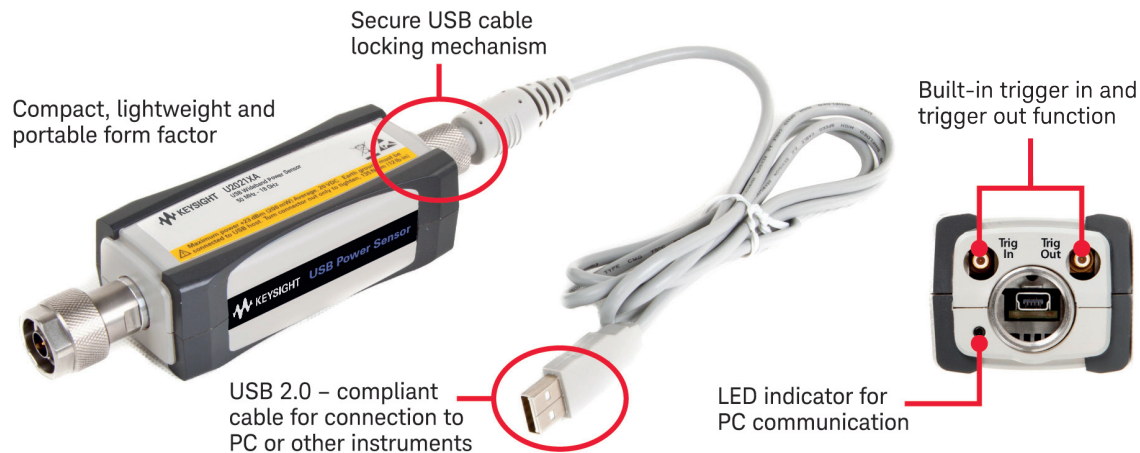


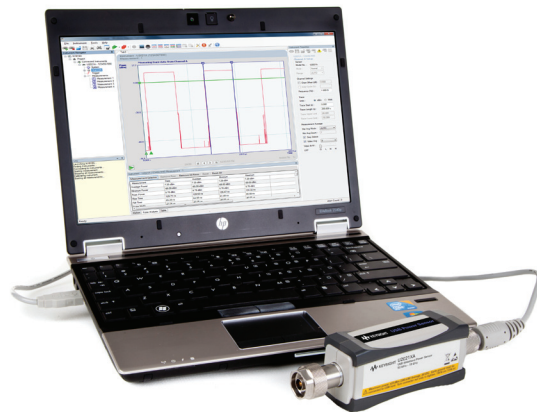
# Keysight U2020 X-Series USB Peak and Average Power Sensors

## Accelerate your production throughput



## Key features

- Cover high frequency test applications up to 40 GHz
- Save time and reduce measurement uncertainty with internal zeroing and calibration
- Initiate measurements automatically with the built-in trigger in/trigger out function
- Get the peak and average power measurement capability of a power meter in a compact and portable form factor
- Make measurements and analyses easily with the bundled N1918A software
- Set up faster with built-in radar and wireless presets

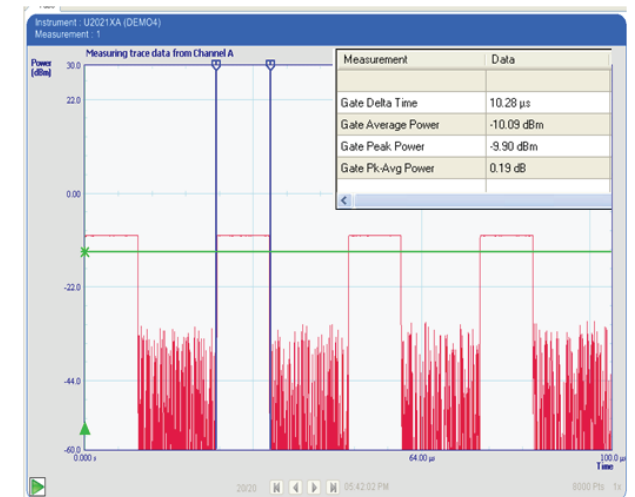


## Intuitive power measurement software

The Keysight Technologies, Inc. U2020 X-series USB power sensors are bundled with a free N1918A Option 100 Power Analyzer PC license key. Simply connect the USB power sensor and the PC will recognize the license.

## The N1918A Power Analysis Manager comes with:

- Easy measurement start-up upon connection of hardware and launching of software
- Enhanced viewing on large PC display
- List view of more than 20 channels and measurement math results



The time gated function enables measurement of peak, average, and peak-to-average ratio of a single burst signal for wireless signals such as Wimax, LTE, WLAN, MIMO.

## Key specifications

Part	Description
Video bandwidth	30 MHz
Sampling rate	80 MSa/s
Frequency range	50 MHz to 18 GHz/40 GHz
Power range (average)	-45 to +20 dBm (65 dB)
Power range (gated average)	-30 to +20 dBm (50 dB)
Power range (peak)	-30 to +20 dBm (50 dB)
Measurement speed	Up to 25,000 readings/s
Linearity	< 1%

## Ordering information

Model	Description
U2021XA	X-Series USB peak and average power sensor, 50 MHz to 18 GHz
U2022XA	X-Series USB peak and average power sensor, 50 MHz to 40 GHz
<b>Standard shipped items</b>	
Power sensor cable 5 ft (1.5 m), default cable length	
BNC male to SMB female trigger cable, 50 Ω, 1.5 m (ships with 2 quantities)	
Certificate of calibration	
CD documentation	
N1918A Power Analysis Manager software CD	
Keysight IO Libraries Suite Software CD	

## Ordering information (continued)

Options	Description
<b>Travel kits</b>	
U2000A-201	Transit case
U2000A-202	Soft carrying case
U2000A-203	Holster
U2000A-204	Soft carrying pouch
<b>Cables (selectable during sensor purchase)</b>	
U2000A-301	Power sensor cable, 5 ft (1.5 m)
U2000A-302	Power sensor cable, 10 ft (3 m)
U2000A-303	Power sensor cable, 16.4 ft (5 m)
<b>Cables (ordered standalone)</b>	
U2031A	Power sensor cable, 5 ft (1.5 m)
U2031B	Power sensor cable, 10 ft (3 m)
U2031C	Power sensor cable, 16.4 ft (5 m)
U2032A	BNC male to SMB female trigger cable, 50 Ω, 1.5 m
<b>Calibration</b>	
U202xA-1A7	ISO17025 compliant calibration and test data
U202xA-A6J	ANZIZ540 compliant calibration and test data

### Three-Year Warranty

[www.keysight.com/find/ThreeYearWarranty](http://www.keysight.com/find/ThreeYearWarranty)

Keysight's commitment to superior product quality and lower total cost of ownership. The only test and measurement company with three-year warranty standard on all instruments, worldwide.



### Keysight Assurance Plans

[www.keysight.com/find/AssurancePlans](http://www.keysight.com/find/AssurancePlans)

Up to five years of protection and no budgetary surprises to ensure your instruments are operating to specification so you can rely on accurate measurements.

