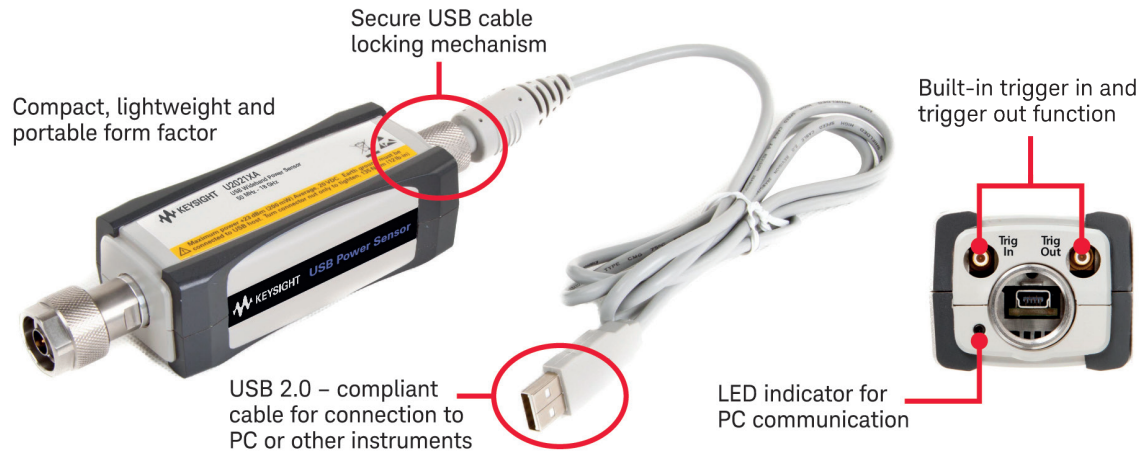


## Accelerate your production throughput



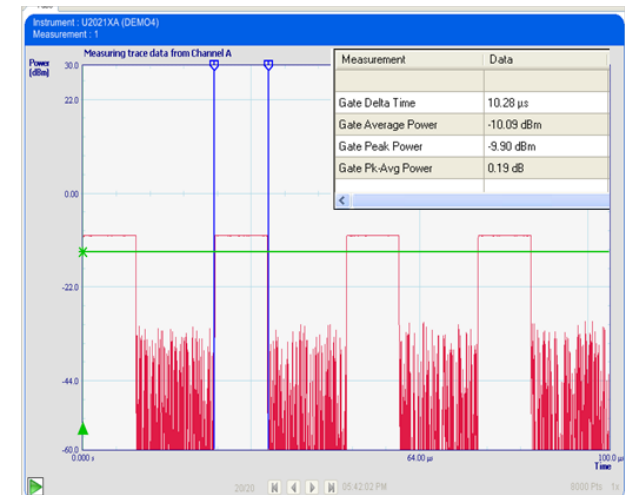
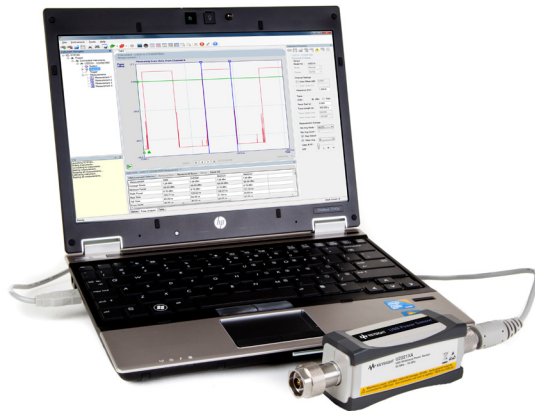
## Key features

- 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 N1918A software or BenchVue 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 U2020 X-Series is also supported by the Keysight BenchVue software (version 2.5 and above). Control your USB power sensor to log data and visualize measurements in a wide array of display options.



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 Instrument Control DVD (contains IO Libraries Suite, Command Expert and BenchVue software) |                                                              |

## 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      |
| <b>Software</b>                                   |                                                   |
| BV0007A                                           | BenchVue Power Meter Pro App license              |

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

Keysight Services helps you improve productivity and product quality with our comprehensive service offerings of one-stop calibration, repair, asset management, technology refresh, consulting, training, and more.



Unlocking Measurement Insights

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