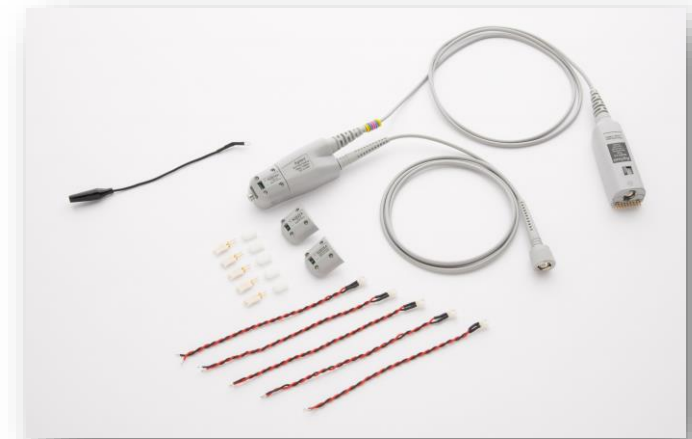


Keysight N2820A/21A High Sensitivity AC/DC Current Probe

See the Details Without Losing Sight of the Big Picture

The Keysight N2820A/21A high-sensitivity AC/DC probe is engineered to make high-dynamic-range, high-sensitivity current measurements to meet your challenging high current measurement needs. The N2820A current probe can support measurements from 50 μA to 5 A with the supplied accessories. The N2820A 2-channel current probe connects to two oscilloscope channels to provide simultaneous low- and high-gain views for wider dynamic range measurement, while the N2821A 1-channel current probe provides one user-selectable view at a time.



Highest Sensitivity

- Provides simultaneous low and high-gain views
- Measures from 50 μA to 5A of AC/DC current with the supplied accessories
- Measures from 100 nA to 120 A with the user defined head and sense resistor
- Bandwidth up to 3 MHz on the zoomed-out channel and 500 kHz on zoomed-in channel



Wide Dynamic Range

- Wide dynamic range of >20,000:1 or >86 dB with two channel model
- Two-channel vertical zoom mode enables accurate peak and idle current measurement



Current Measurements Made Easy

- Oscilloscope measurement supports current consumption over time (or 'charge' measurement)
- The supplied MBB (make-before-break) connectors allow you to quickly probe multiple locations on your DUT without having to solder or unsolder the leads

Key Benefits Over Other Probing Methods

- Unmatched high sensitivity and low noise
- Conduct current measurements on “sub circuits” as well as system level current
- Better repeatability over clamp-on type current probes
- No need to calibrate or degauss the probe frequently
- Make current measurement with a familiar instrument (oscilloscope) that may already be on your bench
- Better visualization of waveforms on an oscilloscope
- Make a current measurement that is triggered from a voltage measurement and then be able to perform various measurements / analysis built into the oscilloscope

Ordering Information

- N2820A High sensitivity 2-channel current probe
- N2821A High sensitivity 1-channel current probe
- N2822A 20 mΩ resistor tips
- N2824A 100 mΩ resistor tips
- N2825A User-defined resistor tips
- N2826A Replacement wires (15.5 cm, 22 AWG bare wires) (qty 5)
- N2827A Passive cable for N2820A secondary channel (qty 1)
- N2828A Replacement MBB header (qty 5)
- N2829A Replacement MBB receptacles and 15.5 c, AWG 22 socketed wires (qty 5 each)

Oscilloscope Compatibility

InfiniiVision Series

- 3000T, 4000X and 6000X Series oscilloscopes

Infiniium Series

- S, 9000A/H Series oscilloscopes

For more information, visit www.keysight.com/find/N2820A

