

Keysight N2750A Series InfiniiMode Differential Probes

High-Performance Probing has Never Been Easier

The Keysight N2750A Series InfiniiMode differential active probes are the perfect solution for general-purpose, high-speed differential probing. The N2750A Series probes come in 1.5, 3.5, and 6 GHz models and features InfiniiMode technology, enabling you to conveniently measure differential, single-ended, and common-mode components of a differential signal without having to reconnect the probe. High-performance probing has never been easier with the features such as a quick-action scope control button, a headlight, and automatically configured 2:1 and 10:1 dual attenuation settings.



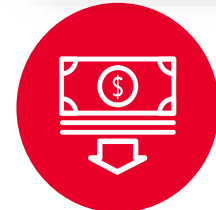
Versatility

- 2:1, 10:1 dual attenuation ratio lets you probe a broad range of applications and is auto configured based on the input signal
- 200 kohm//0.7 pF input impedance for low input loading and better measurement accuracy
- Wide dynamic range (10Vpp) and offset range (+/-15V) – perfect for broad analog and digital applications



Usability

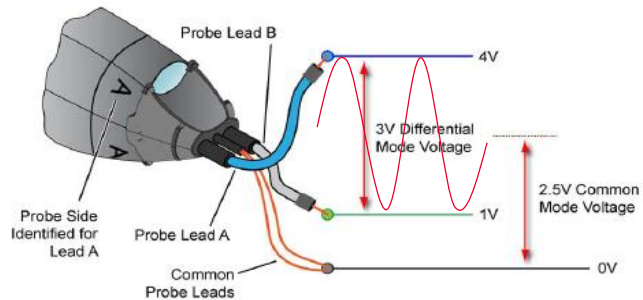
- InfiniiMode technology enables improved productivity and accuracy while reducing your need to reconnect the probe
- Built-in multi-function scope control button for easy control of oscilloscope functions
- Built-in headlight to see where you are probing
- AutoProbe interface - the probe is automatically configured and powered



Affordability

- Lower cost than many other high-performance probing solutions
- Comes standard with solder-in, browser, and socketed tips
- Optional socketed tips for USB/Ethernet application fixtures enable lower cost compliance testing

What is InfiniiMode Technology?



InfiniiMode allows convenient measurements of differential, single-ended, and common mode signals with a single probe tip without having to reconnect the probe from your DUT

Differential

$$A - B = 4V - 1V = 3V$$

Common Mode

$$\frac{A + B}{2} = \frac{4V + 1V}{2} = 2.5V$$

Single-Ended A

$$A - \text{gnd} = 4V - 0V = 4V$$

Single-Ended B

$$B - \text{gnd} = 1V - 0V = 1V$$

Ordering Information

- N2750A 1.5 GHz InfiniiMode Differential Probe
- N2751A 3.5 GHz InfiniiMode Differential Probe
- N2752A 6 GHz InfiniiMode Differential Probe
- N2776A Differential Browser Tips (qty 3)
- N2777A InfiniiMode Solder-in Tips (qty 3)
- N2778A InfiniiMode Socketed Tips (qty 3)
- N4822A Socketed Tips for USB/Ethernet Application Fixtures (qty 1)

Note: The N2750A/51A/52A InfiniiMode probes include two browser tips, two socketed tips, and two solder-in tips as standard. The N4822A is not included in the N2750A-52A probes.

Oscilloscope Compatibility

InfiniiVision Series

- 3000T, 4000X and 6000X Series oscilloscopes

Infiniium Series

- 9000A, 90000A, 90000X, S, V, Z, and Q Series oscilloscopes

Note: Infiniium scope with AutoProbe II interface requires the N5442A adapter.

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