

Differential Probes

- 20 MHz to 200 MHz bandwidth
- Switchable attenuation
- Measure up to 600 V CAT III and 1000 V CAT II

Versatile probing for your differential signals

Use the Agilent N2772A Differential Probe with any of the 54600-Series oscilloscopes to safely measure floating circuits with the oscilloscope grounded. With 20 MHz bandwidth and switchable attenuation of 20:1 and 200:1, it provides the versatility for a broad range of applications including high-voltage circuits, motor speed controls, power supply design, and electronic high-power converters.

Each probe comes with 2 sharp probe tips for use on small components and in tight places, 2 retractable probe hooks for connecting to smaller wires and through-hole components, and 2 alligator clips for use with larger cables.

This probe requires a 9 V battery or Agilent N2773A power supply.

Specifications for N2772A Differential Probe

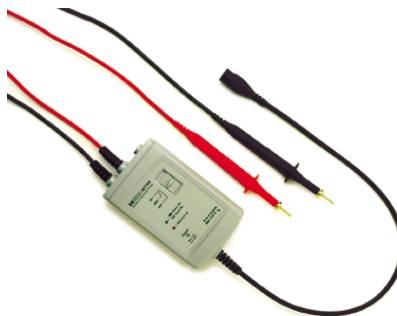
Bandwidth	20 MHz
Risetime	17.5 ns
Attenuation Ratio	20:1 and 200:1 selectable via switch on probe
High CMRR	80 dB @ 60 Hz, 50 dB @ 1 MHz
Input Impedance	Between inputs: 10 M Ω , 5 pF
Measure up to 600 V CAT III	

1141A 200 MHz Differential Probe

The 1141A is a 1x FET differential probe with 200 MHz bandwidth and a 3000:1 CMRR. The probe has a high-input resistance and low input capacitance of 7 pF to minimize circuit loading. The 1141A must be used with 1142A probe control and power module, which controls input coupling modes dc, dc with variable offset, and dc reject. Two attenuators, 10x and 100x are provided to expand the linear differential input range to ± 30 V. This probe works with any 50 Ω input oscilloscope including 54640-Series.

Specifications for 1141A Differential Probe

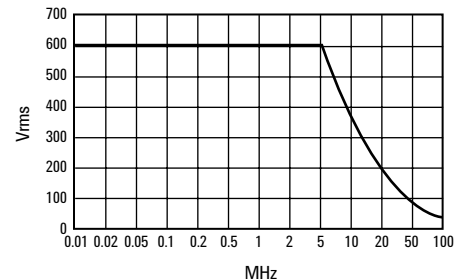
Bandwidth	200 MHz
Risetime (Calculated)	1.75 ns
Attenuation Ratio	10:1 and 100:1 with attenuator
High CMRR	3000:1 at 1 MHz 10:1 at 100 MHz
Input Impedance	Between inputs: 1 M Ω , 7 pF
Maximum Input Voltage	200 Vdc + peak ac (probe alone) 500 Vdc + peak ac (with attenuator)



N2772 20 MHz Differential Probe

Ordering Information for Agilent Technologies Differential Probes and Power Supply

N2772A	20 MHz differential probe, supplied with a retractable hook, sharp probe tips and alligator clips
N2773A	Power supply for N2772A
1141A	200 MHz differential probe
1142A	Probe control and power module for 1141A



Derating of each input for the N2772A



1141A 200 MHz Differential Probe