

High-voltage Passive Probes

- Ideal for measuring up to 30 kV
- Up to 250 MHz bandwidth
- 100:1 or 1000:1 attenuation

10076B high-voltage probe

The Agilent 10076B 4 kV 100:1 passive probe gives you the voltage and bandwidth you need for making high-voltage measurements. Its compact design makes it easier to probe today's small power electronics components and its rugged construction means it can withstand rough handling without breaking.

Characteristics of 10076B

Bandwidth	250 MHz (-3dB)
Risetime (calculated)	< 1.4 ns
Attenuation ratio	100:1
Input resistance	66.7 MΩ (when terminated into 1 MΩ)
Input capacitance	Approx 3 pF
Maximum input	4000 Vpk
Compensation	6-20 pF Range
Probe readout	Yes
Cable length	1.8 m



10076B passive probe

N2771B high-voltage probe

The N2771B is a 1000:1 divider probe for the measurement of fast high voltage signals up to 30 kV dc + peak ac, 10 kV rms.

The probe's large size and rugged construction provides superior protection. The ground lead is fed through the body of the probe and protrudes behind the safety barrier, keeping the ground connection away from the high voltage. Typical applications include PMT's, motor drives, high voltage switches, magnatrons and modern projection systems.

Characteristics of N2771B

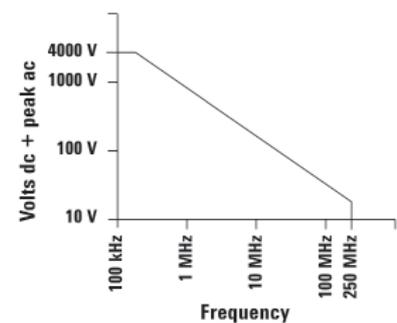
Bandwidth	50 MHz (-3dB)
Risetime	<7 ns
Attenuation ratio	1000:1
Input resistance	1 GΩ (when terminated into 1-MΩ)
Input capacitance	1 pF
Compensation range	6-20 pF
Max. voltage	15 kV dc, 10 kV rms, 30 kV dc + peak ac
Operating temperature	0°C to +50°C, 80% RH
Storage temperature	-20°C to +70°C, 90% RH
Dimensions	2 cm (max width of probe stem after handle) x 33 cm 7.5 cm (max probe width at probe handle) x 33 cm
Cable length	2 m



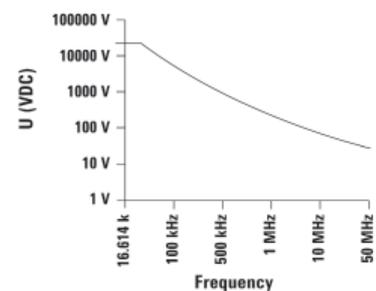
N2771B high-voltage probe

Ordering information for Agilent high-voltage probe

10076B	High-voltage probe: includes one retractable hook tip, one-ground-bayonet, one IC probing tip, one-alligator ground lead and a compensation screwdriver
N2771B	High-voltage probe: includes one each alligator ground lead, hook probe tip and sharp probe tip
10077A	Accessory kit for 10076A/B: includes one retractable pincher tip, one ground lead, one insulation cap, two measuring pins and two colored tags



10076B derating curve



N2771B derating curve