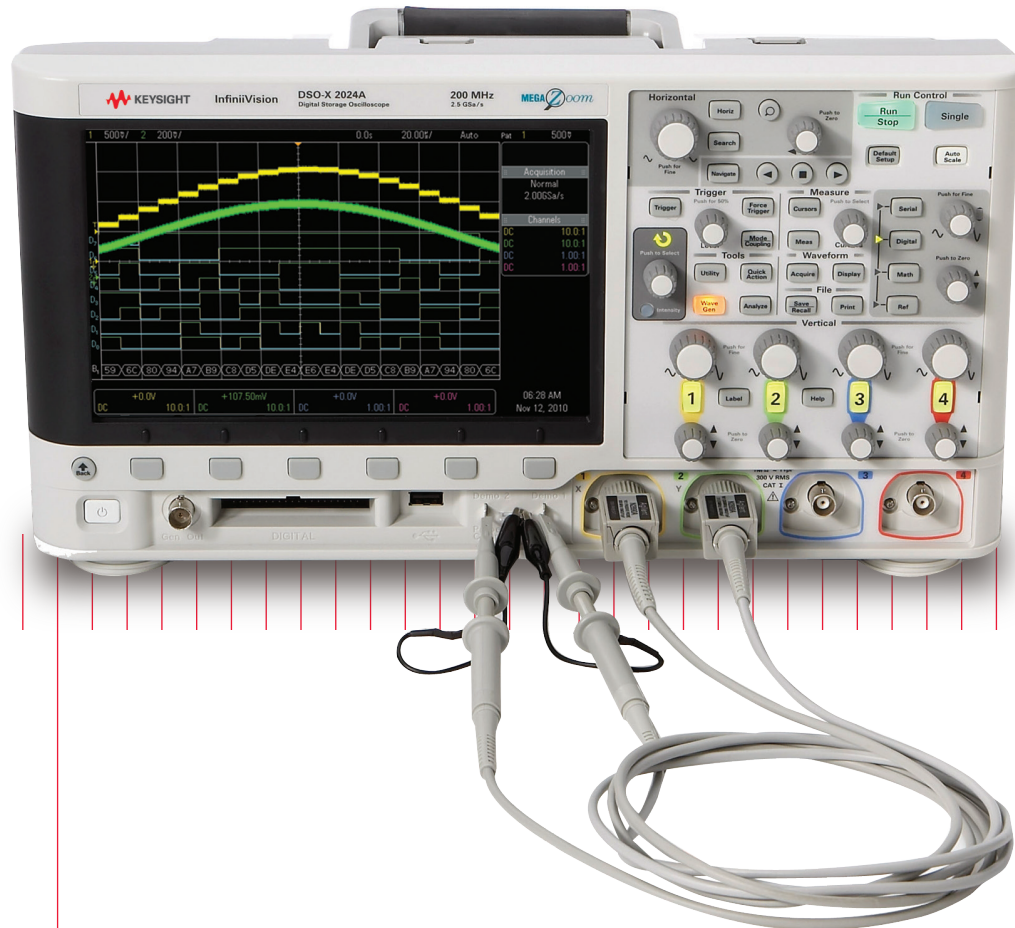


# Keysight N2890L

## Passive Probe



## Data Sheet

The Keysight Technologies N2890L is a low-cost, general purpose passive probe with 500-MHz bandwidth and features a high input resistance of 10 M $\Omega$  for low probe loading. The probe provides a 10:1 attenuation ratio and is compatible with Keysight's InfiniiVision and Infiniium Series oscilloscopes with 1 M $\Omega$  BNC input.

Note there are some differences between N2890A and N2890L.

- Low-frequency compensation on the N2890L is done with the Keysight-provided tuning method.
- The low-frequency compensation capacitor is covered with a probe tip shaft that has no access hole.
- The N2890L does not have a tuning tool (screw driver) but has all other accessories the N2890A has.
- The labels on the compensation box and probe bag labels are different.

Characteristics

Probe characteristics	N2890L
Bandwidth (-3 dB)	500 MHz
Rise time (10% - 90%)	700 psec
Attenuation ratio	10:1
Input resistance (when terminated into 1 MΩ)	10 MΩ
Maximum input voltage	300 V RMS (or > 400Vpk) CAT I and CAT II
Scope compensation range	Pre-tuned to Keysight Infiniium 9000 Series
Probe ID	Yes
Cable length	1.3 m
Safety	Conformance to IEC-61010-031:2002
Operating temperature	0 to 50 °C, 80% RH
Storage temperature	0 to 50 °C, 80% RH

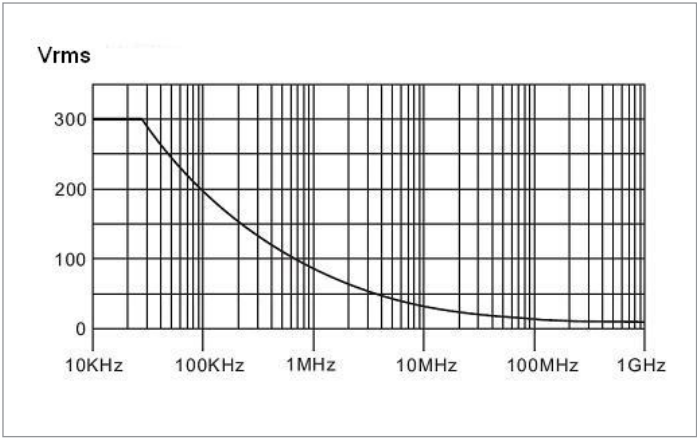


Figure 1. N2890L voltage derating curve

Standard Accessories

Item	Description	Quantity
1	Retractable hook	1
2	Insulating cap	1
3	IC insulating cap	1
4	Identification tags (green, yellow, purple and pink)	2 each
5	Probe tip	2
6	Ground spring	1
7	BNC adapter	1
8	Ground lead (black 12 cm)	1



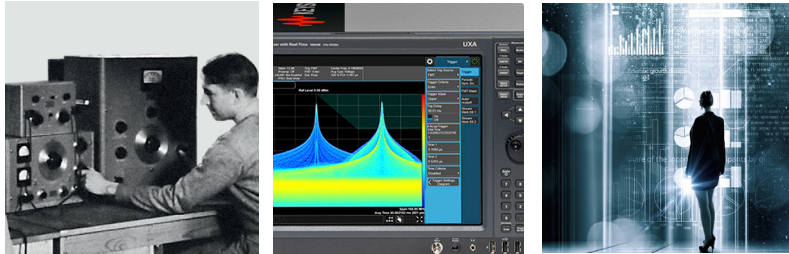
Replacement accessories

- 0960-2900 Retractable hook tips
- N4827A PCB socket adapter, qty 2
- N4826A Dual-lead adapter, qty 2
- N4828A 5 mm ground spring, qty 2
- N4857A BNC adapter, qty 1

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