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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N2891A differential probe

HP Agilent Keysight N2891A High Voltage Differential Probe 70 MHz The Keysight N2891A is a 70 MHz high-voltage differential probe for floating measurements up to 7 kV differential or common mode. OEM data sheet 5990-3780EN lists selectable 100:1 and 1000:1 attenuation, 100 MOhm // 5 pF between inputs, and USB or 4x AA battery power into 1 MOhm BNC oscilloscopes. High-voltage power electronics, motor drives, and floating measurements requiring kilovolt differential capability. High-voltage alligator and safety hook accessory kit The Keysight N2891A is a 70 MHz high-voltage differential probe for floating measurements up to 7 kV differential or common mode. OEM data sheet 5990-3780EN lists selectable 100:1 and 1000:1 attenuation, 100 MOhm // 5 pF between inputs, and USB or 4x AA battery power into 1 MOhm BNC oscilloscopes. High-voltage power electronics, motor drives, and floating measurements requiring kilovolt differential capability. High-voltage alligator and safety hook accessory kit Instrument Type: High-voltage differential probe



MODEL

**Agilent / Keysight
N2891A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N2891A

LISTING

<https://aumictechlabs.com/products/n2891a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight N2891A is a 10:1 passive probe with a bandwidth of 700 MHz. It has a high input resistance and low input capacitance to minimize loading effects on the circuit under test.

The probe is compatible with a wide range of oscilloscopes and is suitable for applications such as signal integrity analysis, power supply testing, and debugging high-speed digital circuits.

N2891A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	High-voltage differential probe
Bandwidth	greater than or equal to 70 MHz (-3 dB)
Rise Time Calculated	less than or equal to 5 ns
Attenuation Ratios	100:1 and 1000:1 switchable
Gain Accuracy	plus or minus 2 percent of reading at 20 to 30 C; plus or minus 4 percent at 0 to 20 C and 30 to 50 C
Max Differential Operating Voltage 1000 To	plus or minus 7000 V or 5000 Vrms
Max Differential Operating Voltage 100 To	plus or minus 700 V or 700 Vrms
Max Common Mode Operating Voltage	plus or minus 7000 V or 5000 Vrms at 1000:1 and 100:1
Absolute Max Dc Plus Peak Ac	plus or minus 7000 V differential and common mode (main isolated)
InputREach Side To Ground	50 MOhm // 7 pF
InputRBetween Inputs	100 MOhm // 5 pF
Output Voltage Swing	7 V into 1 MOhm (1000:1)
Scope Input Impedance Required	1 MOhm
Output Offset Typical	plus or minus 5 mV adjustable
Cmrr Typical	-80 dB at 50 Hz, -60 dB at 20 kHz
Power Requirements	4 AA batteries or USB power adapter (5 V/200 mA, 9 V/120 mA)
Battery Life Alkaline	11.5 hours
Probe Body Dimensions	202 mm x 83 mm class per user guide
Cable Length Class	90 cm probe / 60 cm accessory class per user guide
Series Family	Keysight high-voltage differential probes
Literature	Keysight 5990-3780EN
Mass Class	500 g class per user guide
Rise Time	Calculated: less than or equal to 5 ns

PARAMETER	VALUE
Attenuation	Ratios: 100:1 and 1000:1 switchable

N2891A Specifications

PARAMETER	VALUE
Key Features	Switchable 100:1 and 1000:1 attenuation
Up to 7 kV differential or common mode	USB or 4x AA battery power
Technical Specifications	Instrument Type: High-voltage differential probe

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes	
From Keysight 5990-3780EN and N2791A/N2891A High-Voltage Differential Probes User Guide. Confirm CAT and isolation markings on the probe label before use.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
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Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.