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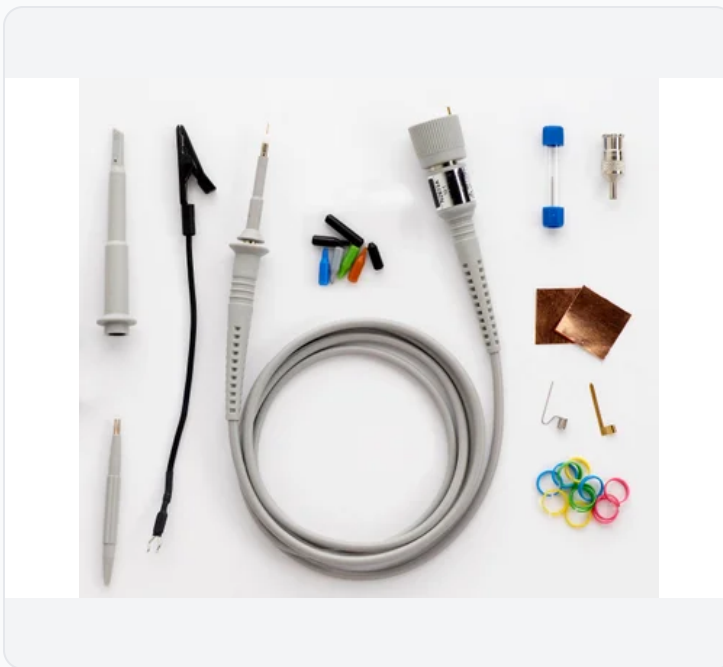
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N2894A passive oscilloscope probe

HP Agilent Keysight N2894A Passive Probe 700 MHz 10:1 The Keysight N2894A is a 700 MHz 10:1 passive probe with 10 MOhm input resistance and 9.5 pF input capacitance. OEM N2870A-Series and N2894A user guide and product page list 400 V mains-isolated / 300 V CAT II maximum input, 10-25 pF compensation range, and up to 700 MHz bandwidth on InfiniiVision 4000 X / 6000 X class scopes with sufficient bandwidth. Higher-speed general-purpose probing on Keysight 1 MOhm oscilloscopes up to 700 MHz system bandwidth. The Keysight N2894A is a 700 MHz 10:1 passive probe with 10 MOhm input resistance and 9.5 pF input capacitance. OEM N2870A-Series and N2894A user guide and product page list 400 V mains-isolated / 300 V CAT II maximum input, 10-25 pF compensation range, and up to 700 MHz bandwidth on InfiniiVision 4000 X / 6000 X class scopes with sufficient bandwidth. Higher-speed general-purpose probing on Keysight 1 MOhm oscilloscopes up to 700 MHz system bandwidth. Max Input Voltage: 400 V mains isolated; 300 V CAT II



MODEL

**Agilent / Keysight
N2894A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N2894A

LISTING

<https://aumictechlabs.com/products/n2894a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N2894A is a differential probe meticulously engineered for precise measurement of high-speed signals. Having a bandwidth of up to 7 GHz, this probe guarantees exceptional signal fidelity, making it indispensable for demanding applications. Its innovative design incorporates low input capacitance, effectively minimizing loading effects on the circuit under test and ensuring the acquisition of accurate and reliable measurements. This probe is ideally suited for signal integrity analysis, high-speed digital design validation, and other critical measurement tasks where precision is paramount.

N2894A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Passive probe
Bandwidth	700 MHz (-3 dB)
Attenuation Ratio	10:1
Input Capacitance	9.5 pF
Input Resistance	10 MOhm
Max Input Voltage	400 V mains isolated; 300 V CAT II
Scope Compensation Range	10 to 25 pF
Scope Input Required	1 MOhm
Compatible Scope Example	DSOX/MSOX 4000A Series up to 700 MHz
Probe Recognition	Automatic on Keysight InfiniiVision and Infiniium
Series Family	Keysight N2870A Series / N2894A
Literature	Keysight 5990-3930EN and N2876-97003
User Guide Literature	N2894-60002 / N2876-97003
Deluxe Accessory Kit	N2877A
Fine Pitch Accessory Kit	N2879A
Form Factor	Compact 2.5 mm head passive probe
Operating Environment Class	Standard lab indoor class
Cable Length Class	per N2894A standard probe
Probe Head Diameter Class	2.5 mm
Mains Isolation Rating	400 V
Cat II Rating	300 V
Rise Time Class	per 700 MHz passive probe family table
Rise Time	Class: per 700 MHz passive probe family table
Attenuation	Ratio: 10:1

N2894A Specifications

PARAMETER	VALUE
Applications	Higher-speed general-purpose probing on Keysight 1 MOhm oscilloscopes up to 700 MHz system bandwidth.
Key Features	700 MHz bandwidth class
Compact 2.5 mm head	10 MOhm // 9.5 pF loading
Automatic probe recognition	Shares N2870A accessory ecosystem
Technical Specifications	Instrument Type: Passive 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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Rise Time Class	per 700 MHz passive probe family table
Notes	
From Keysight N2894A product documentation and N2870A-Series/N2894A Passive Probes User Guide. Achievable bandwidth depends on oscilloscope bandwidth and probe compensation.	

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