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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N2872A

HP Agilent Keysight N2872A Passive Probe 350 MHz 10:1 The Keysight N2872A is a 350 MHz 10:1 passive probe with 10 MOhm input resistance and 9.5 pF input capacitance for dense SMT probing. OEM N2870A Series data sheet 5990-3930EN and N2870A-Series/N2894A user guide list 400 V mains-isolated / 300 V CAT II maximum input and 10-25 pF scope compensation range. General-purpose mid-to-high speed probing of densely populated boards on 1 MOhm oscilloscopes. Automatic probe recognition on Keysight scopes The Keysight N2872A is a 350 MHz 10:1 passive probe with 10 MOhm input resistance and 9.5 pF input capacitance for dense SMT probing. OEM N2870A Series data sheet 5990-3930EN and N2870A-Series/N2894A user guide list 400 V mains-isolated / 300 V CAT II maximum input and 10-25 pF scope compensation range. General-purpose mid-to-high speed probing of densely populated boards on 1 MOhm oscilloscopes. Automatic probe recognition on Keysight scopes Fine-pitch accessory ecosystem N2877A N2879A



MODEL

**Agilent / Keysight
N2872A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N2872A

LISTING

<https://aumictechlabs.com/products/n2872a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N2872A is a passive oscilloscope probe engineered for general-purpose signal acquisition across a DC to 350 MHz bandwidth. Delivering a 10:1 attenuation ratio, the probe presents 10 MΩ input resistance and 9.5 pF input capacitance when terminated into a 1 MΩ oscilloscope input, preserving signal integrity and minimizing circuit loading during

measurements. Technical Specifications Electrical Performance Bandwidth: DC to 350 MHz Attenuation Ratio: 10:1 Input Resistance: 10 M Ω (into 1 M Ω scope input) Input Capacitance: 9.5 pF Maximum Input Voltage: 400 V CAT I / 300 V CAT II Scope Compensation Range: 10–25 pF Adjustable Low Frequency (LF) compensation Physical Specifications Probe Head Diameter: 2.5 mm Cable Length: 1.3 m Environmental Operating Conditions Operating Temperature: 0 °C to +50 °C Storage Temperature: –40 °C to +70 °C Operating Humidity: 80% RH to 31 °C, decreasing linearly to 40% RH at 50 °C Operating Altitude: 2,000 m (6,561 ft) Pollution Degree: 2 Key Features The compact 2.5 mm probe head design accommodates measurements on high-density integrated circuits and surface-mount devices with fine-pitch leads. Automatic Probe ID readout on compatible oscilloscopes eliminates manual configuration overhead. Adjustable compensation enables optimization across the 10–25 pF scope input range, supporting precise frequency response matching. Typical Applications The N2872A serves general-purpose analog and digital signal measurements in laboratory and field environments. Its 350 MHz bandwidth suits characterization of legacy and mid-range digital logic, embedded systems, and analog signal chains. The low input capacitance and high input resistance minimize loading effects on moderate-impedance circuits. Compatibility & Integration The probe is fully compatible with Keysight InfiniiVision and Infiniium Series oscilloscopes equipped with 1 M Ω input termination. It is recommended for oscilloscope systems with bandwidth less than 350 MHz. The 1.3 m cable and included accessory suite - rigid and spring-loaded tips, IC caps for 0.5 mm to 1.27 mm pitch, ground blade, sprung hook, and trimmer tool - support flexible deployment across diverse component geometries.

N2872A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Passive probe
Bandwidth	350 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
Rise Time Class	per N2870A series table for 350 MHz model
Compatible Scope Families	InfiniiVision and Infiniium with 1 MOhm input
Probe Recognition	Automatic on Keysight InfiniiVision and Infiniium
Series Family	Keysight N2870A Series
Literature	Keysight 5990-3930EN
User Guide Literature	N2876-97003
Deluxe Accessory Kit	N2877A
Fine Pitch Accessory Kit	N2879A
Cable Length Class	per N2870A series standard probe
Operating Environment Class	Standard lab indoor class
Form Factor	Compact 2.5 mm head passive probe
Probe Head Diameter Class	2.5 mm
Mains Isolation Rating	400 V
Cat II Rating	300 V
Rise Time	Class: per N2870A series table for 350 MHz model
Attenuation	Ratio: 10:1

N2872A Specifications

PARAMETER	VALUE
Applications	General-purpose mid-to-high speed probing of densely populated boards on 1 MOhm oscilloscopes.
Key Features	Compact 2.5 mm probe head class
Automatic probe recognition on Keysight scopes	Fine-pitch accessory ecosystem N2877A N2879A
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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PARAMETER	VALUE
Instrument Type	Passive probe
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Notes	
From Keysight N2870A Series Passive Probes and Accessories data sheet 5990-3930EN and N2870A-Series and N2894A Passive Probes User Guide table row N2872A.	

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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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.