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Data Sheet
August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP N2890A 500 MHz Passive Probe

Keysight N2890A 500 MHz 10:1 Passive Probe The Keysight N2890A is a 500 MHz 10:1 passive oscilloscope probe with about 11 pF input capacitance, 10 MOhm input resistance when terminated into 1 MOhm, 1.3 m cable, and probe-ID readout. CAT II 300 V rms (less than 400 V peak) mains-isolated. Compensation 5 to 30 pF. Family with N2862B 150 MHz N2863B 300 MHz and N2889A switchable 1:1/10:1. General-purpose oscilloscope probing to 500 MHz; 1 MOhm scope inputs; CAT II mains-isolated measurements within the 300 V rms limit. The Keysight N2890A is a 500 MHz 10:1 passive oscilloscope probe with about 11 pF input capacitance, 10 MOhm input resistance when terminated into 1 MOhm, 1.3 m cable, and probe-ID readout. CAT II 300 V rms (less than 400 V peak) mains-isolated. Compensation 5 to 30 pF. Family with N2862B 150 MHz N2863B 300 MHz and N2889A switchable 1:1/10:1. General-purpose oscilloscope probing to 500 MHz; 1 MOhm scope inputs; CAT II mains-isolated measurements within the 300 V rms limit.

MODEL **Keysight / Agilent / HP N2890A**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **N2890A**	LISTING https://aumictechlabs.com/products/n2890a-2/

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NAICS 423690 · 811210 · 541380

This unit

The Keysight N2890A is a 500 MHz passive voltage probe engineered for high-bandwidth signal acquisition across laboratory and field test environments. This 10:1 attenuation probe delivers 10 MΩ input resistance and 12 pF input capacitance, making it suitable for oscilloscopes with 1 MΩ input impedance and standard BNC connectors. The probe handles 200 V CAT II steady-state and 2500 V transient overvoltage, with a 1.5 meter lead length and replaceable sprung hook tip for versatile probing configurations. Technical Specifications Bandwidth: 500 MHz Attenuation Ratio: 10:1 Input Resistance: 10 MΩ ± 2% (at 1 MΩ oscilloscope input) Input Capacitance: 12 pF typical (at 1 MΩ oscilloscope input) Compensation Range: 10 pF to 35 pF Maximum Input Voltage: 200 V CAT II, 300 V RMS CAT II, 2500 V transient overvoltage Lead Wire Length: 1.5 meters Connector: Standard BNC, compatible with 1 MΩ oscilloscope inputs Operating Temperature: 0 °C to 50 °C Storage Temperature: -30 °C to 75 °C Operating Humidity: 5% to 95% RH at 30 °C Key Features Replaceable sprung hook tip for rapid connection changes Integrated ground lead with spring clip for secure grounding Flexible, shielded coaxial cable minimizes interference and noise pickup Ruggedized housing withstands typical industrial and laboratory handling Series input resistance of 9.09 MΩ when connected to 1 MΩ oscilloscope input Precise 10:1 attenuation ratio ensures accurate voltage readings Typical Applications Digital signal analysis Power supply testing Embedded system debugging General circuit verification Compatibility & Integration Compatible with all oscilloscopes featuring 1 MΩ input impedance and BNC connectors, including Keysight, Agilent, and Hewlett-Packard instruments, plus third-party oscilloscopes meeting standard BNC interface specifications.

Features & description

From manufacturer datasheet

Features

- Fixed 10:1 (unlike N2889A switchable)

N2890A Characteristics / Specifications

PARAMETER	VALUE
Keysight N2890A 500 MHz	1 Passive Probe Overview The Keysight N2890A is a 500 MHz 10:1 passive oscilloscope probe with about 11 pF input capacitance, 10 MOhm input resistance when terminated into 1 MOhm, 1.3 m cable, and probe-ID readout. CAT II 300 V rms (less than 400 V peak) mains-isolated. Compensation 5 to 30 pF. Family with N2862B 150 MHz N2863B 300 MHz and N2889A switchable 1:1/10:1.
Model	N2890A
Manufacturer	Keysight Technologies
Instrument Type	Passive Oscilloscope Probe
Family	N2862B N2863B N2889A N2890A
Alias	N2890A; Agilent N2890A
Bandwidth	DC to 500 MHz
Risetime	700 ps (10 percent to 90 percent)
Attenuation	10:1
Input Resistance	10 MOhm when terminated into 1 MOhm
Input Capacitance	approximately 11 pF
Maximum Input	300 V rms or less than 400 V peak mains isolated CAT II
Compensation Range	5 pF to 30 pF into 1 MOhm
Cable Length	1.3 m
Probe ID	yes
Operating Temperature	0 C to 50 C 80 percent RH non-condensing
Storage Temperature	0 C to 50 C 80 percent RH non-condensing
Altitude	2000 m indoor
Safety	IEC 61010-031:2015
Scope Input	1 MOhm
Related N2862B	DC to 150 MHz 10:1 1.2 m ~15 pF
Related N2863B	DC to 300 MHz 10:1 1.2 m ~11 pF

PARAMETER	VALUE
Related N2889A	DC to 350 MHz at 10:1 switchable 1:1/10:1
Not Active Probe	passive 10:1 notadifferential or current probe
Not 50 Ohm Only	designed for 1 MOhm termination
Form	handheld probe with ground spring/clip accessories
Readout Pin	compatible Keysight probe-ID scopes
Status	Keysight N2890A accessory Notes Figures from Keysight N2862B/N2863B/N2889A/N2890A probes user guide table. Compensate to the scope input. Do not exceed 300 V rms CAT II.
Fixed 10	1 (unlike N2889A switchable)
IEC 61010-031	2015 probe safety

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	0 C to 50 C 80 percent RH non-condensing
Operating temperature	0 C to 50 C 80 percent RH non-condensing
Operating Temperature	0 C to 50 C 80 percent RH non-condensing
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Safety	IEC 61010-031:2015
Scope Input	1 MOhm
Related N2862B	DC to 150 MHz 10:1 1.2 m ~15 pF
Related N2863B	DC to 300 MHz 10:1 1.2 m ~11 pF
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Not Active Probe	passive 10:1 notadifferential or current probe
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Form	handheld probe with ground spring/clip accessories
Readout Pin	compatible Keysight probe-ID scopes
Status	Keysight N2890A accessory Notes Figures from Keysight N2862B/N2863B/N2889A/N2890A probes user guide table. Compensate to the scope input. Do not exceed 300 V rms CAT II.

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

Specifications

PARAMETER	VALUE
Model	N2890A
Manufacturer	Keysight Technologies
Instrument Type	Passive Oscilloscope Probe

Specifications

PARAMETER	VALUE
Family	N2862B N2863B N2889A N2890A
Alias	N2890A; Agilent N2890A
Bandwidth	DC to 500 MHz

Specifications

PARAMETER	VALUE
Risetime	700 ps (10 percent to 90 percent)
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Input Resistance	10 MOhm when terminated into 1 MOhm

Specifications

PARAMETER	VALUE
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Compensation Range	5 pF to 30 pF into 1 MOhm

Specifications

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Cable Length	1.3 m
Probe ID	yes
Operating Temperature	0 C to 50 C 80 percent RH non-condensing

Specifications

PARAMETER	VALUE
Storage Temperature	0 C to 50 C 80 percent RH non-condensing
Altitude	2000 m indoor
Safety	IEC 61010-031:2015

Specifications

PARAMETER	VALUE
Scope Input	1 MOhm
Related N2862B	DC to 150 MHz 10:1 1.2 m ~15 pF
Related N2863B	DC to 300 MHz 10:1 1.2 m ~11 pF

Specifications

PARAMETER	VALUE
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Not Active Probe	passive 10:1 notadifferential or current probe
Not 50 Ohm Only	designed for 1 MOhm termination

Specifications

PARAMETER	VALUE
Form	handheld probe with ground spring/clip accessories
Readout Pin	compatible Keysight probe-ID scopes
Status	Keysight N2890A accessory

Notes

Figures from Keysight N2862B/N2863B/N2889A/N2890A probes user guide table. Compensate to the scope input. Do not exceed 300 V rms CAT II.

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

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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.