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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N2793A

Agilent Keysight N2793A Differential Probe 800 MHz The Keysight (Agilent) N2793A is an 800 MHz general-purpose differential probe with fixed 10:1 attenuation. OEM data sheet 5990-4753EN rates 437 ps rise time, 200 kOhm differential input resistance, 1 pF differential capacitance, plus or minus 15 V differential dynamic range, and USB or 9 V battery power into 50 Ohm BNC scopes. High-speed power, automotive bus, and digital differential probing on 50 Ohm BNC oscilloscopes. Includes pincer micro IC clips extension leads and DC blocking capacitors The Keysight (Agilent) N2793A is an 800 MHz general-purpose differential probe with fixed 10:1 attenuation. OEM data sheet 5990-4753EN rates 437 ps rise time, 200 kOhm differential input resistance, 1 pF differential capacitance, plus or minus 15 V differential dynamic range, and USB or 9 V battery power into 50 Ohm BNC scopes. High-speed power, automotive bus, and digital differential probing on 50 Ohm BNC oscilloscopes. Includes pincer micro IC clips extension leads and DC blocking capacitors Compatible with any 50 Ohm BNC oscilloscope input

**MODEL****Agilent / Keysight
N2793A****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****N2793A****LISTING**<https://aumictechlabs.com/products/n2793a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N2793A is an 800 MHz differential probe for high-voltage measurements across power electronics, automotive systems, and digital designs. It delivers a 10:1 attenuation ratio and connects directly to oscilloscopes equipped with 50Ω BNC inputs. The probe measures

differential voltages to ± 15 V while rejecting common-mode signals up to ± 30 V, making it ideal for noisy automotive and industrial environments. Powered by USB or an internal 9V battery, the N2793A presents minimal circuit loading with 200 k Ω input resistance and 1 pF input capacitance. A built-in DC blocking capacitor removes unwanted DC offsets without additional components.

Technical Specifications
Bandwidth: 800 MHz
Attenuation Ratio: 10:1
Input Impedance: 200 k Ω
Input Capacitance: 1 pF
Maximum Differential Voltage: ± 15 V
Maximum Common-Mode Voltage: ± 30 V
Output Connector: 50 Ω BNC
Cable Length: 70 cm
Operating Temperature: -40°C to $+85^{\circ}\text{C}$

Key Features
Dual power options: USB or 9V battery (included)
High input impedance minimizes loading effects on circuits under test
DC blocking capacitor integrated for AC coupling
Comprehensive accessory kit: pincer clips, micro IC clips, extension leads (5 cm and 10 cm), dual and single signal pins, spacing adapters, and offset adjustment screwdriver
2 m USB power cord supplied

Typical Applications
High-speed power measurements in switching circuits
Vehicle bus monitoring (CAN, LIN, FlexRay)
High-speed digital system characterization
Automotive serial bus analysis

Compatibility & Integration
The N2793A requires an oscilloscope with 50 Ω BNC input and ground-referenced operation. The 70 cm cable allows flexible probe placement without requiring additional extensions for most test benches.

N2793A Characteristics / Specifications

PARAMETER	VALUE
Model	N2793A
Instrument Type	Differential probe
Bandwidth	800 MHz (-3 dB)
Attenuation	10:1
Probe Rise Time	437 ps (10 percent to 90 percent)
Gain Accuracy	plus or minus 2 percent of reading
Absolute Max Rated Input Each Side To Ground	plus or minus 40 V
Maximum Differential Input Voltage	plus or minus 15 V
Maximum Common Mode Input Voltage	plus or minus 30 V
Input Resistance Differential	200 kOhm between inputs
Input Capacitance Differential	1 pF between inputs
Input Each Side To Ground	100 kOhm // 2 pF
Output Voltage Swing	plus or minus 1.5 V driving 50 Ohm
Offset Typical	plus or minus 5 mV
Offset Adjustment Range	-20 mV to plus 20 mV
Ac Cmrr	greater than -60 dB at 50/60 Hz; greater than -15 dB at 500 MHz
Noise Referenced To Input	4.7 mVrms probe only
Power Requirements	One 9 V battery or USB power cord 5 V to 9 V 90 mA
Scope Interface	50 Ohm BNC
Literature	Keysight 5990-4753EN
Regulatory	CEI/IEC61010-031 CAT II
Dc Blocking Capacitors	30 kHz to 1 GHz 100 V max included accessories
Extension Lead Lengths	5 cm and 10 cm 0.8 mm J-P
Rise Time	437 ps (10 percent to 90 percent)

N2793A Specifications

PARAMETER	VALUE
Agilent Keysight N2793A Differential Probe 800 MHz	Overview
Applications	High-speed power, automotive bus, and digital differential probing on 50 Ohm BNC oscilloscopes.
Key Features	Fixed 10:1 attenuation
USB or 9 V battery power	BNC interface to 50 Ohm scope inputs
Technical Specifications	Model: N2793A
Notes	From Keysight N2792A/N2818A 200 MHz and N2793A/N2819A 800 MHz Differential Probes data sheet 5990-4753EN.

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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Specifications	
PARAMETER	VALUE
Maximum Differential Input Voltage	plus or minus 15 V
Maximum Common Mode Input Voltage	plus or minus 30 V
Input Resistance Differential	200 kOhm between inputs
Input Capacitance Differential	1 pF between inputs
Input Each Side To Ground	100 kOhm // 2 pF
Output Voltage Swing	plus or minus 1.5 V driving 50 Ohm
Offset Typical	plus or minus 5 mV
Offset Adjustment Range	-20 mV to plus 20 mV
Ac Cmrr	greater than -60 dB at 50/60 Hz; greater than -15 dB at 500 MHz
Noise Referenced To Input	4.7 mVrms probe only
Power Requirements	One 9 V battery or USB power cord 5 V to 9 V 90 mA
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Notes

From Keysight N2792A/N2818A 200 MHz and N2793A/N2819A 800 MHz Differential Probes data sheet 5990-4753EN.

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.