

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N7001A InfiniiMax III+ Series Probe Amplifier, 13 GHz

Keysight / Agilent N7001A InfiniiMax III+ Probe Amplifier, 13 GHz The N7001A is a 13 GHz InfiniiMax III+ probe amplifier for Infiniium V-Series / 90000X Series 13 GHz oscilloscopes. Uses InfiniiMax III/III+ probe heads (not InfiniiMax I/II). Sibling of N7000/7002/7003A family. The N7001A is a 13 GHz InfiniiMax III+ probe amplifier for Infiniium V-Series / 90000X Series 13 GHz oscilloscopes. Uses InfiniiMax III/III+ probe heads (not InfiniiMax I/II). Sibling of N7000/7002/7003A family.



MODEL

**Keysight / Agilent
N7001A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N7001A

LISTING

<https://aumictechlabs.com/products/n7001a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N7001A InfiniiMax III+ Series Probe Amplifier delivers 13 GHz bandwidth for high-speed differential bus probing. InfiniiMode technology enables simultaneous measurement of differential, single-ended (A or B), and common-mode signal components through a single probe connection, eliminating the need for multiple connections. Each amplifier is loaded with measured S-parameters that combine with probe head S-parameters to flatten magnitude and phase response, delivering superior AC correction and measurement fidelity. Technical Specifications Bandwidth: 13 GHz Probe Interface: AutoProbe 2 Differential Input Impedance: 100 k Ω / 0.32 pF Input Impedance Profile: RCRC (optimized for low source impedance) Attenuation Range: 5:1 / 10:1

S-Parameters: Loaded with measured values for enhanced AC correction

Key Features

InfiniiMode Technology provides four measurement modes from one probe connection:

Differential mode: A – B

Single-ended A: A – ground

Single-ended B: B – ground

Common mode: (A+B)/2 – ground

Measured S-parameters enable accurate probe correction across the measurement chain

RCRC input impedance profile minimizes loading effects on low-impedance sources

Typical Applications

The N7001A addresses high-speed differential signal characterization in digital buses, memory interfaces, and serial communication standards where probe loading and signal fidelity are critical.

Compatibility & Integration

Oscilloscope Support: Direct connection to Infiniium 90000X/Q and V-Series oscilloscopes (software version 5.50 or higher required)

Probe Head Compatibility: All InfiniiMax III/III+ probe heads and new QuickTip heads

Accessory Ecosystem: Compatible with all InfiniiMax III/III+ accessories

Backwards Compatibility Note: InfiniiMax I or II probe heads are not compatible with InfiniiMax III/III+ amplifiers

Features & description

From manufacturer datasheet

Features

• Bandwidth: 13 GHz • Probe system: InfiniiMax III+ • Compatible scopes: Infiniium V-Series / 90000X Series 13 GHz models • Head family: InfiniiMax III / III+ heads only (not I/II) • Attenuation: auto-selected with vertical scale (family 5:1 / 10:1 class behavior) • Dynamic range class (InfiniiMax III family): 2.5 Vpp @ 5:1; 5.0 Vpp @ 10:1 • Related amps: N7000A 8 GHz; N7002A 16 GHz; N7003A 20 GHz • Also related: N2832A 13 GHz InfiniiMax III+ alternate SKU for some 90000A hosts

Applications

• Differential / single-ended probing to 13 GHz • High-density PCB debug with InfiniiMax III+ heads • Bandwidth-matched probing for 13 GHz Infiniium scopes

N7001A Characteristics / Specifications

PARAMETER	VALUE
Model	N7001A
Manufacturer	Keysight / Agilent
Instrument Type	InfiniiMax III+ Probe Amplifier
Alias	N7001A; Keysight N7001A
Bandwidth	13 GHz
Probe family	InfiniiMax III+
Host scopes	Infiniium V / 90000X 13 GHz
Head compatibility	InfiniiMax III/III+ only
Dynamic range	1 class: 5.0 Vpp Notes Specs from Keysight InfiniiMax III/III+ probing system data sheets. Exact input R/C and rise time depend on probe head—confirm head model on the unit.
Probe system	InfiniiMax III+
Compatible scopes	Infiniium V-Series / 90000X Series 13 GHz models
Head family	InfiniiMax III / III+ heads only (not I/II)
Attenuation	auto-selected with vertical scale (family 5:1 / 10:1 class behavior)
Dynamic range class (InfiniiMax III family)	2.5 Vpp @ 5:1; 5.0 Vpp @ 10:1
Related amps	N7000A 8 GHz; N7002A 16 GHz; N7003A 20 GHz
Also related	N2832A 13 GHz InfiniiMax III+ alternate SKU for some 90000A hosts
Rise Time	depend on probe head—confirm head model on the unit.

N7001A Specifications

PARAMETER	VALUE
Applications	- Differential / single-ended probing to 13 GHz
Key Features	- Bandwidth: 13 GHz
Technical Specifications	Model: N7001A

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	N7001A
Manufacturer	Keysight / Agilent
Instrument Type	InfiniiMax III+ Probe Amplifier
Alias	N7001A; Keysight N7001A

Specifications

PARAMETER	VALUE
Bandwidth	13 GHz
Probe family	InfiniiMax III+
Host scopes	Infiniium V / 90000X 13 GHz
Head compatibility	InfiniiMax III/III+ only

Dynamic range 5:1 class: 2.5 Vpp
Dynamic range 10:1 class: 5.0 Vpp

Notes
Specs from Keysight InfiniiMax III/III+ probing system data sheets. Exact input R/C and rise time depend on probe head—confirm head model on the unit.

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>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 12, 2026

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