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Data Sheet

August 12, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) 1131A InfiniiMax 3.5 GHz Probe

Keysight / Agilent 1131A InfiniiMax Probe Amplifier, 3.5 GHz The 1131A is a 3.5 GHz InfiniiMax active probe amplifier for Infiniium oscilloscopes (AutoProbe interface). Used with E2668A/E2669A connectivity kits or InfiniiMax probe heads for differential or single-ended probing. The 1131A is a 3.5 GHz InfiniiMax active probe amplifier for Infiniium oscilloscopes (AutoProbe interface). Used with E2668A/E2669A connectivity kits or InfiniiMax probe heads for differential or single-ended probing.



MODEL

**Keysight / Agilent
1131A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

1131A

LISTING

<https://aumictechlabs.com/products/1131a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight 1131A InfiniiMax is a 3.5 GHz active probe designed for high-speed differential and single-ended signal measurements on embedded designs. This probe minimizes loading effects on the Device Under Test through extremely low input capacitance, flat frequency response, and resistor probe tip technology, delivering superior signal fidelity for accurate waveform capture. The system integrates with Infiniium oscilloscopes via the AutoProbe Interface and supports a comprehensive ecosystem of probe heads and connectivity accessories to meet diverse mechanical access requirements. Technical Specifications Bandwidth: 3.5 GHz Dynamic Range: ± 2.5 V DC Offset Range: ± 12 V Maximum Input Voltage: ± 30 V Input Impedance (Differential): 50 k Ω with 0.27–0.34 pF capacitance Input Impedance (Single-Ended): 25 k Ω with 0.44–0.67 pF capacitance Key Features Extremely low input capacitance minimizes DUT loading and preserves

signal integrity Flat frequency response across the 3.5 GHz bandwidth ensures accurate representation of test signals S2 resistor technology with optimized 91 Ω values (legacy 100 Ω variants remain specification-compliant) Dual-mode operation supports both differential and single-ended probing configurations Broad dynamic range of ± 2.5 V with DC offset capability to ± 12 V accommodates varied signal levels Typical Applications High-speed digital design validation, embedded system debugging, signal integrity analysis, and differential pair measurements in designs requiring minimal measurement artifacts. Compatibility & Integration The 1131A operates with Infiniium 80000 and 90000 series oscilloscopes, as well as the 54853A model. Required connectivity kits include the E2669A (differential/single-ended) and E2668A (single-ended). Compatible probe heads span differential (E2675A, E2677B, E2678B) and single-ended (E2679A) options. The system integrates with the N1022A probe adaptor for use with the Infiniium 86100A Digital Communication Analyzer and operates with the external 1143A power supply. Accessory options include the N2880A in-line attenuator and N2881A DC blocking capacitors.

Features & description

From manufacturer datasheet

Features

• Bandwidth (–3 dB): >3.5 GHz (warranted) • Rise/fall time (10–90%): 100 ps • System BW examples: 2.5 GHz with 54853; 2 GHz with 54852 • DC attenuation: 10:1 $\pm$ 3% before calibration on scope • Input dynamic range: $\pm$ 2.5 V • Input common mode: $\pm$ 6.75 V DC to 100 Hz; $\pm$ 1.25 V >100 Hz class (family) • Offset range: $\pm$ 12.0 V (single-ended probing) • Noise referred to input: 3.0 mVrms • Propagation delay: ~6 ns (deskewable) • Max input voltage: 30 Vpeak, CAT I • ESD tolerance: >8 kV from 100 pF, 300 Ω HBM • Capacitance class (with solder-in differential head): Cdiff ~0.27 pF; Cse ~0.44 pF • Interface: Infiniium AutoProbe; also N1022A / 1143A power options

Applications

• High-speed digital probing to 3.5 GHz • Differential / single-ended Infiniium measurements • Hands-on browsing or solder-in / SMA / socketed connections

1131A Characteristics / Specifications

PARAMETER	VALUE
Model	1131A
Manufacturer	Keysight / Agilent
Instrument Type	InfiniiMax Active Probe Amplifier
Alias	1131A; Agilent 1131A; Keysight 1131A
Bandwidth	>3.5 GHz
Rise time	100 ps
Attenuation	10:1
Dynamic range	± 2.5 V
Offset	± 12 V
Noise	3.0 mVrms
Max input	30 Vpeak Notes Specs from Agilent/Keysight InfiniiMax 1130/31/32/34A probe literature. Exact tip loading depends on probe head—confirm head/kit on the unit.
Bandwidth (–3 dB)	>3.5 GHz (warranted)
Rise/fall time (10–90%)	100 ps
System BW examples	2.5 GHz with 54853; 2 GHz with 54852
DC attenuation	10:1 $\pm 3\%$ before calibration on scope
Input dynamic range	± 2.5 V
Input common mode	± 6.75 V DC to 100 Hz; ± 1.25 V >100 Hz class (family)
Offset range	± 12.0 V (single-ended probing)
Noise referred to input	3.0 mVrms
Propagation delay	~ 6 ns (deskewable)
Max input voltage	30 Vpeak, CAT I
ESD tolerance	>8 kV from 100 pF, 300 Ω HBM
Capacitance class (with solder-in differential head)	Cdiff ~ 0.27 pF; Cse ~ 0.44 pF

PARAMETER	VALUE
Interface	Infiniium AutoProbe; also N1022A / 1143A power options

1131A Specifications

PARAMETER	VALUE
Applications	- High-speed digital probing to 3.5 GHz
Key Features	- Bandwidth (−3 dB): >3.5 GHz (warranted)
Technical Specifications	Model: 1131A

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	1131A
Manufacturer	Keysight / Agilent
Instrument Type	InfiniiMax Active Probe Amplifier
Alias	1131A; Agilent 1131A; Keysight 1131A

Specifications

PARAMETER	VALUE
Bandwidth	>3.5 GHz
Rise time	100 ps
Attenuation	10:1
Dynamic range	±2.5 V
Offset	±12 V
Noise	3.0 mVrms
Max input	30 Vpeak

Notes
Specs from Agilent/Keysight InfiniiMax 1130/31/32/34A probe literature. Exact tip loading depends on probe head—confirm head/kit 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

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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.