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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 1131B

Agilent Keysight 1131B InfiniiMax Probe Amplifier greater than 3.5 GHz The Agilent/Keysight 1131B is the B-revision InfiniiMax probe amplifier. OEM Infinii probe datasheet 5989-6162 / 1130A-1134A user's guide list greater than 3.5 GHz bandwidth, 100 ps 10-90 percent rise time, 50 kohm differential / 25 kohm single-ended input resistance, and plus or minus 2.5 V dynamic range. System bandwidth 2.5 GHz with DSO/DSA90254A class scopes. High-speed differential or single-ended probing of digital and RF interconnects on Infinii oscilloscopes using InfiniiMax solder-in, browser, and socketed heads. The Agilent/Keysight 1131B is the B-revision InfiniiMax probe amplifier. OEM Infinii probe datasheet 5989-6162 / 1130A-1134A user's guide list greater than 3.5 GHz bandwidth, 100 ps 10-90 percent rise time, 50 kohm differential / 25 kohm single-ended input resistance, and plus or minus 2.5 V dynamic range. System bandwidth 2.5 GHz with DSO/DSA90254A class scopes. High-speed differential or single-ended probing of digital and RF interconnects on Infinii oscilloscopes using InfiniiMax solder-in, browser, and socketed heads.

**MODEL****Agilent / Keysight
1131B****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****1131B****LISTING**<https://aumictechlabs.com/products/1131b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight 1131B is an InfiniiMax Series probe amplifier delivering high-fidelity signal acquisition for electronic testing and design validation. This active probe amplifier minimizes loading on the Device Under Test while maintaining superior signal integrity across high-speed differential and

single-ended measurements. As the RoHS compliant successor to the 1131A, It has direct form, fit, and function compatibility with Infiniium oscilloscopes in the 2.5 to 3 GHz range.

Technical Specifications

Probe Bandwidth: 3.5 GHz System Bandwidth: 1 GHz (with 1 GHz oscilloscopes)

Attenuation Ratio: 10:1 / 5:1 selectable Dynamic Range: ± 2.5 V DC Offset Range: ± 12 V (with probe offset) Maximum Input Voltage: ± 30 V Input Impedance (Differential): 50 k Ω resistance, 0.27–0.34 pF capacitance Input Impedance (Single-Ended): 25 k Ω resistance, 0.44–0.67 pF capacitance

Key Features

Patented resistor probe tip technology for low DUT loading Flat frequency response and minimal input capacitance for accurate signal fidelity AutoProbe Interface enables automatic configuration, attenuation control, and DC power delivery to probe circuitry RoHS compliant design

Typical Applications

High-speed differential and single-ended probing on Infiniium oscilloscopes supporting active probe interfaces. Suitable for signal integrity analysis and precision measurements in the 1 to 3.5 GHz bandwidth range.

Compatibility & Integration

Designed for Infiniium 2.5 to 3 GHz oscilloscopes with AutoProbe Interface support. Requires one or more probe heads or connectivity kits (such as E2669B or E2668B) to form a complete probing system. The InfiniiMax 1130B-34B Series supports extensive probe head and accessory options.

1131B Characteristics / Specifications

PARAMETER	VALUE
Model	1131B
Instrument Type	InfiniiMaxIprobe amplifier
Bandwidth	greater than 3.5 GHz
Rise Fall Time 10 To	100 ps
Differential Input Resistance	50 kohm plus or minus 1 percent
Single Ended Input Resistance	25 kohm plus or minus 1 percent
Input Capacitance Cm	0.1 pF between tips
Input Capacitance Cg	0.34 pF each tip to ground
Differential Mode Capacitance	0.27 pF (Cm + Cg/2)
Single Ended Capacitance	0.44 pF (Cm + Cg)
Input Dynamic Range	plus or minus 2.5 V
Common Mode Range Dc To 100 Hz	plus or minus 6.75 V
Common Mode Range Above 100 Hz	plus or minus 1.25 V
Dc Attenuation	10:1 plus or minus 3 percent before cal, plus or minus 1 percent after cal
Offset Range Single Ended	plus or minus 12.0 V
Noise Referred To Input	3.0 mV rms
Propagation Delay	about 6 ns (deskewable)
Maximum Input Voltage	30 V peak CATIEsd Tolerance: greater than 8 kV from 100 pF 300 ohm HBM
Maximum Slew Single Ended	18 V/ns
Maximum Slew Differential	30 V/ns
Probe Interface	AutoProbe
Manufacturer	HP Agilent Keysight
Attenuation	10:1 plus or minus 3 percent before cal, plus or minus 1 percent after cal

1131B Specifications

PARAMETER	VALUE
Key Features	greater than 3.5 GHz InfiniiMax I amplifier (B revision)
AutoProbe interface power and identification	Works with InfiniiMax I probe heads (solder-in, browser, socketed)
Technical Specifications	Model: 1131B

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	
Technical Specifications	
PARAMETER	VALUE
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Instrument Type	InfiniiMax I probe amplifier
Bandwidth	greater than 3.5 GHz
Rise Fall Time 10 To 90	100 ps
Differential Input Resistance	50 kohm plus or minus 1 percent
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Differential Mode Capacitance	0.27 pF (Cm + Cg/2)
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Notes

From Keysight Infiniium Oscilloscope Probes and Accessories data sheet InfiniiMax 1130A/31A/32A/34A table applied to 1131B B-revision amplifier. System bandwidth depends on the paired Infiniium oscilloscope.

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.