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Data Sheet

August 13, 2026

AGILENT / HP

Agilent HP 1152A Active Oscilloscope Probe 2.5GHz

The Agilent/HP 1152A is a 2.5 GHz active probe for Infiniium oscilloscopes with AutoProbe interface auto-configuration. It provides 10:1 attenuation, 100 kOhm DC input resistance, less than 140 ps calculated rise time, and about 0.6 pF typical input capacitance for high-frequency probing. Alias: 1152A; Agilent 1152A 2.5 GHz Active Probe DC input resistance: 100 kOhm +/-1 percent DC gain accuracy: +/-0.5 percent with 50 ohm +/-0.5 ohm load Rise time: less than 140 ps calculated from bandwidth



MODEL

Agilent / HP 1152A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

1152A

LISTING

<https://aumictechlabs.com/products/1152a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent HP 1152A is an active oscilloscope probe delivering 2.5 GHz bandwidth for precision signal acquisition in high-frequency circuit debugging. Its 10:1 attenuation factor, 100 kΩ input resistance, and 0.6 pF input capacitance minimize loading on the device under test, preserving signal integrity on densely packed boards where measurement accuracy is critical. The probe accepts ±5 V dc + peak ac signals with a maximum input of ±40 V (dc + peak ac < 20 MHz, CAT I) and includes ±20 V variable DC offset capability. Output limiting protects against excessive power dissipation, clamping at ±1.4 V when input plus offset exceeds ±14 V. Rise time measures 2.5 GHz Rise Time (10%–90%): < 140 ps Long-Term Flatness: 1% Input Capacitance: ~0.6 pF

(typical) DC Input Resistance: 100 k Ω $\pm$ 1% Attenuation Factor: 10:1 Input Operating Range: $\pm$ 5 V dc + peak ac Maximum Input Voltage: $\pm$ 40 V (dc + peak ac < 20 MHz, CAT I); 200 Vac maximum Variable DC Offset: $\pm$ 20 V Dynamic Range: $\pm$ 5 V dc + peak ac ESD Tolerance: $\pm$ 12 kV Output Limiting: +1.4 V / -1.4 V (folding to $\sim$ -0.8 V) Key Features Low input capacitance reduces DUT loading across the frequency spectrum Output limiting prevents excessive power dissipation during over-voltage conditions AutoProbe Interface compatibility for automatic oscilloscope configuration Legacy analog resistor-based probe detection (HP AutoProbe) Typical Applications Digital and RF circuit debugging High-speed signal characterization Densely packed PCB measurements requiring minimal probe loading Compatibility & Integration The 1152A integrates with AutoProbe Interface-equipped oscilloscopes and utilizes the original HP AutoProbe analog detection method. Modern digital probe ID systems (I2C memory) may require modifications for full compatibility.

Features & description

From manufacturer datasheet

Features

- Bandwidth greater than 2.5 GHz (-3 dB)
- 10:1 attenuation factor
- DC input resistance 100 kOhm +/-1 percent
- Rise time less than 140 ps calculated
- Typical input capacitance 0.6 pF
- AutoProbe interface configures Infiniium scopes
- Walking-stick ground accessory for HF grounding

Applications

- High-frequency probing on Infiniium oscilloscopes
- Digital and RF circuit debugging to 2.5 GHz class
- Low-capacitance probing of sensitive nodes
- AutoProbe configured Infiniium measurements

1152A Characteristics / Specifications

PARAMETER	VALUE
Model	1152A
Manufacturer	Agilent / HP / Keysight
Instrument Type	Active Probe
Alias	1152A; Agilent 1152A 2.5 GHz Active Probe
Bandwidth	greater than 2.5 GHz (-3 dB)
Attenuation factor	10:1
DC input resistance	100 kOhm +/-1 percent
DC gain accuracy	+/-0.5 percent with 50 ohm +/-0.5 ohm load
Rise time	less than 140 ps calculated from bandwidth
Input capacitance typical	0.6 pF
System bandwidth with 54845A 54835A	1.5 GHz class
System bandwidth with 54810A family	1.3 GHz class
Interface	AutoProbe
Compatible scopes	Infiniium series
Ground accessory	walking-stick ground
Signal lead accessory	200 ohm signal lead
TypeNadapter accessory	11880-60001 Type-N(m) to probe tip with 50 ohm
BNC adapter accessory	10218A BNC(m) to probe tip
Probe tip style	active probe tip
Dynamic range class	per 1152A users guide tables
Offset class	scope AutoProbe controlled
Power	from AutoProbe interface
Application	high-frequency circuit probing
Manual	1152A Users Guide
Form factor	handheld active probe

PARAMETER	VALUE
Attenuation identification	10:1 Notes Specs from Agilent 1152A Users Guide performance specifications. Confirm AutoProbe Infiniium compatibility and accessory kit completeness.
Attenuation	factor - DC input resistance 100 kOhm +/-1 percent - Rise time less than 140 ps calculated - Typical input capacitance 0.6 pF - AutoProbe interface configures Infiniium scopes - Walking-stick ground accessory for HF grounding

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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Instrument Type	Active Probe
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Application	high-frequency circuit probing
Manual	1152A Users Guide
Form factor	handheld active probe
Attenuation identification	10:1

Notes

Specs from Agilent 1152A Users Guide performance specifications. Confirm AutoProbe Infiniium compatibility and accessory kit completeness.

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.