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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 1141A

HP Agilent 1141A 200 MHz FET Differential Probe The HP/Agilent 1141A is a 1x FET differential probe. OEM Infiniium probes data sheet lists 200 MHz bandwidth, 1.75 ns rise time, 3000:1 CMRR at 1 MHz (10:1 at 100 MHz), 1 Mohm / 7 pF between inputs, and 200 VDC plus peak AC on the probe alone (500 V with attenuator). It must be used with the 1142A probe control and power module. Low-noise differential measurements into 50 ohm oscilloscopes; 10x and 100x attenuators expand linear range to plus or minus 30 V. The HP/Agilent 1141A is a 1x FET differential probe. OEM Infiniium probes data sheet lists 200 MHz bandwidth, 1.75 ns rise time, 3000:1 CMRR at 1 MHz (10:1 at 100 MHz), 1 Mohm / 7 pF between inputs, and 200 VDC plus peak AC on the probe alone (500 V with attenuator). It must be used with the 1142A probe control and power module. Low-noise differential measurements into 50 ohm oscilloscopes; 10x and 100x attenuators expand linear range to plus or minus 30 V. DC, DC with variable offset, and DC-reject coupling via 1142A



MODEL

**Agilent / Keysight
1141A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

1141A

LISTING

<https://aumictechlabs.com/products/1141a-2/>

NIST-traceable cal

SAM registered

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NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 1141A is a 1X FET differential probe engineered for high-frequency signal measurement with minimal circuit loading. This probe requires the Keysight 1142A Probe Control and Power Module and delivers 200 MHz bandwidth with 1.75 ns rise time. It accommodates input voltages up to ± 200 V (DC + peak AC) without attenuators or ± 500 V with optional attenuators,

making it suitable for demanding analog and mixed-signal test environments.

Technical Specifications
Bandwidth: 200 MHz
Rise Time: 1.75 ns (calculated)
Input Resistance: 1 M Ω
Input Capacitance: 7 pF
Common Mode Rejection Ratio: 3000:1 at 1 MHz
Maximum Input Voltage (Probe Alone): ± 200 V (DC + peak AC)
Maximum Input Voltage (with Attenuator): ± 500 V (DC + peak AC)
Attenuation Ratio: 10:1 and 100:1 (selectable with attenuators)

Key Features
FET differential architecture minimizes loading on circuits under test
DC offset adjustment and DC reject coupling modes controlled via 1142A module
Low DC thermal drift and superior ESD tolerance
Dual coupling and offset control via remote input
Rugged construction with comprehensive probe accessory kit

Typical Applications
High-frequency differential signal acquisition in oscilloscope-based measurements, analog circuit characterization, and design validation where low-impedance loading is critical.

Compatibility & Integration
The 1141A connects to any 50 Ω input instrument or high-impedance inputs with external 50 Ω termination. Compatible with Keysight 5000, 6000, 7000, and 9000 Series oscilloscopes. Requires 1142A Probe Control and Power Module (115/230 VAC, 47–440 Hz, 25 VA maximum) which supplies ± 6 V, ± 15 V, and +5 V rails.

1141A Characteristics / Specifications

PARAMETER	VALUE
Model	1141A
Instrument Type	FET differential probe
Bandwidth	200 MHz
Rise Time	1.75 ns
Attenuation With Pads	10:1 and 100:1 with attenuator
Cmrr At 1 Mhz	3000:1
Cmrr At 100 Mhz	10:1
Input Impedance Between Inputs	1 Mohm / 7 pF
Max Input Probe Alone	200 VDC plus peak AC
Max Input With Attenuator	500 VDC plus peak AC
Linear Range With Attenuators	plus or minus 30 V
Power Module	1142A required
Scope Termination	50 ohm input oscilloscope
Autoprobe Sibling	1153A
Coupling Modes Via 1142A	DC, DC with variable offset, DC reject
Manufacturer	HP Agilent Keysight
Mechanical Package	active differential probe
Probe Attenuation Native	1x without attenuator pads
Family	1141A/1153A low-noise differential probes
Offset Control	via 1142A
Connector	works with 50 ohm BNC/scope inputs
Power Requirement	1142A probe control and power module required
Attenuation	With Pads: 10:1 and 100:1 with attenuator

1141A Specifications

PARAMETER	VALUE
HP Agilent 1141A 200 MHz FET Differential Probe	Overview
Applications	Low-noise differential measurements into 50 ohm oscilloscopes; 10x and 100x attenuators expand linear range to plus or minus 30 V.
Key Features	200 MHz FET differential probe
Requires 1142A power/control module	DC, DC with variable offset, and DC-reject coupling via 1142A
Technical Specifications	Model: 1141A

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	1141A
Instrument Type	FET differential probe
Bandwidth	200 MHz
Rise Time	1.75 ns
Attenuation With Pads	10:1 and 100:1 with attenuator
Cmrr At 1 Mhz	3000:1
Cmrr At 100 Mhz	10:1
Input Impedance Between Inputs	1 Mohm / 7 pF
Max Input Probe Alone	200 VDC plus peak AC
Max Input With Attenuator	500 VDC plus peak AC
Linear Range With Attenuators	plus or minus 30 V
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Offset Control	via 1142A
Connector	works with 50 ohm BNC/scope inputs
Power Requirement	1142A probe control and power module required
Notes	
From Keysight Infiniium Oscilloscope Probes and Accessories data sheet 1153A/1141A characteristics table. 1142A is required for power and coupling; 1153A removes that requirement on AutoProbe Infiniium scopes.	

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>

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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.