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Data Sheet

August 12, 2026

HEWLETT PACKARD

Hewlett-Packard 54118A High Bandwidth Trigger

Hewlett-Packard 54118A High Bandwidth Trigger The 54118A is a high-bandwidth trigger accessory for HP 54120-series digitizing oscilloscopes. It provides stable triggering on high-frequency signals beyond the standard trigger bandwidth of the mainframe. The 54118A is a high-bandwidth trigger accessory for HP 54120-series digitizing oscilloscopes. It provides stable triggering on high-frequency signals beyond the standard trigger bandwidth of the mainframe.



MODEL

**Hewlett Packard
54118A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

54118A

LISTING

<https://aumictechlabs.com/products/54118a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Hewlett-Packard 54118A High Bandwidth Trigger is a specialized trigger module that extends the measurement capabilities of compatible HP and Agilent oscilloscopes by enabling precise triggering on high-frequency and fast-transition signals. This module enhances oscilloscope performance across demanding applications including lightwave communications, pulsed RF, and gigabit logic environments where conventional triggering falls short.

Technical Specifications
Frequency Range: 500 MHz to 18 GHz
Jitter: Less than 1.7 ps RMS at 18 GHz
Trigger Input Impedance: Nominal 50 Ω
Trigger Input Voltage (Maximum Safe): ± 2 Vdc
Power Input: SMB cable from four-channel test set rear panel

Key Features
True event triggering for high-frequency and fast-transition signals
Bandwidth Limit (BW Limit) function applies low-pass filtering to approximately 100 MHz, stabilizing trigger performance in noisy environments
Hysteresis control

with two selectable modes: Normal mode meets standard trigger sensitivity specifications; High Sensitivity mode disables hysteresis for maximum response to high-frequency signals but risks mistriggers on noisy lower-frequency content Front panel controls: Arming Level, Trigger Level, and Holdoff Supports pseudo-random bit stream eye patterns and microwave signal analysis Typical Applications The 54118A excels in lightwave communications testing, pulsed RF measurement, gigabit logic characterization, and microwave signal analysis where trigger jitter and signal fidelity are critical to measurement accuracy. Compatibility & Integration The module integrates with HP 54750 Series, HP 54120 Series, HP 54121A, and HP 83480A Series oscilloscopes. Power is delivered via SMB connector from the compatible four-channel test set rear panel, requiring no external power supply.

Features & description

From manufacturer datasheet

Features

- Dedicated high-bandwidth trigger for 54120 family
 - Improves trigger fidelity on fast edges
 - Accessory form factor for digitizing oscilloscope systems
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Applications

- High-frequency edge triggering with 54120-series scopes
- Stable trigger on microwave/RF repetitive signals
- Precision timing measurements requiring clean trigger

54118A Characteristics / Specifications

PARAMETER	VALUE
Model	54118A
Manufacturer	Hewlett Packard
Instrument Type	High Bandwidth Trigger
Alias	54118A; HP 54118A
Compatible family	HP 54120-series digitizing oscilloscopes
Function	high-bandwidth trigger accessory Notes Detailed bandwidth and sensitivity figures should be confirmed from the 54118A / 54120-series accessory literature shipped with the unit.
Bandwidth	Trigger

54118A Specifications

PARAMETER	VALUE
Applications	- High-frequency edge triggering with 54120-series scopes
Key Features	- Dedicated high-bandwidth trigger for 54120 family
Technical Specifications	Model: 54118A
Notes	Detailed bandwidth and sensitivity figures should be confirmed from the 54118A / 54120-series accessory literature shipped with the unit.

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	54118A
Manufacturer	Hewlett Packard
Instrument Type	High Bandwidth Trigger
Alias	54118A; HP 54118A

Compatible family: HP 54120-series digitizing oscilloscopes

Function: high-bandwidth trigger accessory

Notes

Detailed bandwidth and sensitivity figures should be confirmed from the 54118A / 54120-series accessory literature shipped with 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.