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Data Sheet

August 12, 2026

FLUKE

Fluke PM 3394A 4 Channel 200 MHz 200 MS/s Autoranging Combiscope

The Fluke/Philips PM3394A is a 4-channel autoranging CombiScope that combines analog real-time and digital storage oscilloscope operation. It provides 200 MHz bandwidth and 200 MS/s sampling with autoset, auto-ranging attenuators/timebase, cursor and automatic measurements, and extensive trigger modes including TV/HDTV and glitch. Alias: PM3394A; Fluke PM3394A; Philips PM3394A Bandwidth (5 to 40 C, 50 ohm at BNC): greater than 200 MHz Bandwidth (0 to 50 C): greater than 175 MHz Vertical sensitivity class: 2 mV/div to 5 V/div



MODEL

Fluke PM 3394A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PM 3394A

LISTING

<https://aumictechlabs.com/products/pm-3394a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fluke PM 3394A is a four-channel combiscope that unifies analog real-time and digital storage oscilloscope functionality in a single instrument. It delivers 200 MHz bandwidth with 200 MS/s real-time sampling, achieving equivalent sample rates of 25 GS/s through advanced interpolation. Autoranging attenuators and timebase settings optimize display instantly, while extensive triggering options - including TV, pattern, state, and glitch detection down to 2 ns - capture elusive signal events. The 8 Kpts per channel acquisition memory (expandable to 32 Kpts) stores over 200 waveform traces for detailed post-acquisition analysis. Technical Specifications

Bandwidth: 200 MHz Channels: 4 Real-Time Sampling Rate: 200 MS/s Equivalent Sample Rate: 25 GS/s Acquisition Memory: 8 Kpts per channel, expandable to 32 Kpts Waveform Storage: Over 200 traces (204 with optional memory extension) Peak Detection: Glitches as narrow as 5 ns Trigger Delay & Pre/Post-Triggering: Available Vertical Resolution: 8 bits standard; up to 16 bits with averaging Magnification: Up to 625 ns/div with 32× magnification Power Supply: 100–240 V AC, 50/60 Hz Dimensions: 325 mm × 142 mm × 470 mm Weight: 8 kg

Key Features

- Extensive triggering: TV (including HDTV and line selection), logic, pattern, state, and glitch modes with hold-off
- Cursor measurements with 1% accuracy across time, voltage, and manual modes
- Probe-operated "Touch Hold and Measure" for instant frequency, amplitude, and DC voltage display
- Standard measurements: voltage, time, frequency, period, rise/fall time, duty cycle, phase
- Waveform math: Add, Subtract, Multiply, Divide (optional MATH+ adds Integration, Differentiation, Histogramming, FFT)
- Signal processing: Averaging, digital low-pass filtering, sine interpolation
- Autoset function for immediate optimized display
- Real-time clock and autocal for automatic circuit fine-tuning
- Closed-case calibration for maintenance efficiency

Interfaces & Connectivity

- EIA-232-D serial interface (standard)
- Optional GPIB/IEEE-488 (IEEE-488.2 with SCPI)
- RS-232, GPIB, and Centronics connectivity

Typical Applications

Troubleshooting, production testing, and design verification across complex signal environments requiring dual-mode acquisition and precise temporal analysis.

Features & description

From manufacturer datasheet

Features

• Analog + digital CombiScope architecture • Autoset and auto-ranging attenuator/timebase • Peak detect for glitches as narrow as 5 ns class • Averaging up to 16-bit effective resolution class • Math including filtering; Math+ option for FFT/integration • EIA-232-D standard; GPIB/IEEE-488 optional • Autocal fine-tuning of circuitry

Applications

• Analog and digital signal troubleshooting to 200 MHz • Four-channel simultaneous capture and analysis • Automated voltage/time measurements and documentation • Glitch, pattern, and TV-line triggering workflows

PM3394A Characteristics / Specifications

PARAMETER	VALUE
Model	PM3394A
Manufacturer	Fluke
Instrument Type	Autoranging CombiScope
Alias	PM3394A; Fluke PM3394A; Philips PM3394A
Channels	4 fully featured
Bandwidth (0 to 50 C)	greater than 175 MHz
Sample rate	200 MS/s
Vertical resolution	8 bits
Vertical sensitivity class	2 mV/div to 5 V/div
Input impedance class	1 Mohm // about 25 pF (1 Mohm position)
AC coupling lower bandwidth	less than 10 Hz
Bandwidth limiter	20 MHz
Acquisition memory	8K expandable to 32K class
Waveform storage	up to 40 waveforms; 204 with optional memory
Dynamic range to 50 MHz	+/-12 div
Dynamic range to 200 MHz	+/-4 div
Interfaces	EIA-232-D; optional GPIB Notes Specs from Fluke/Philips PM339xA CombiScope family literature. Confirm options (memory, GPIB, Math+) on the unit.
Bandwidth	and 200 MS/s sampling with autoset, auto-ranging attenuators/timebase, cursor and automatic measurements, and extensive trigger modes including TV/HDTV and glitch.

PM3394A Specifications

PARAMETER	VALUE
Fluke PM3394A Autoranging CombiScope	Overview
Applications	- Analog and digital signal troubleshooting to 200 MHz
Technical Specifications	Model: PM3394A
Notes	Specs from Fluke/Philips PM339xA CombiScope family literature. Confirm options (memory, GPIB, Math+) on 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	
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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.