

KEYSIGHT TECHNOLOGIES (AGILENT HP)

54845A

The Keysight Technologies (formerly Agilent HP) Infiniium 54845A is a high-performance 4-channel digital storage oscilloscope featuring a 1.5 GHz analog bandwidth and a maximum real-time sample rate of 8 GSa/s. Combining a classical analog-like front panel with an integrated Windows-based PC interface, the 54845A provides deep analysis capabilities, robust triggering options, and automated measurements for demanding high-speed signal characterization.

SPECIFICATIONS

General

Interfaces	GPIB (IEEE-488.2), LAN (10/100Base-T), RS-232, Centronics Parallel, PS/2 mouse/keyboard, SVGA out
Display	8.4-inch active-matrix color TFT LCD, 640 x 480 resolution
Calibration Interval	1 year
Warm-up Time	30 minutes

Vertical System

Analog Bandwidth	1.5 GHz
Calculated Rise Time	233 ps
Input Channels	4
Vertical Resolution	8 bits (≥12 bits with averaging)

Horizontal System & Acquisition

Maximum Real-time Sample Rate	8 GSa/s
-------------------------------	---------

Trigger System

Trigger Sources	Channel 1, Channel 2, Channel 3, Channel 4, Line
Trigger Modes	Auto, Triggered, Single

TECHNOLOGY

Digital Storage Oscilloscope (DSO)

APPLICATIONS

High-speed digital design, communications testing, and general-purpose debugging

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.