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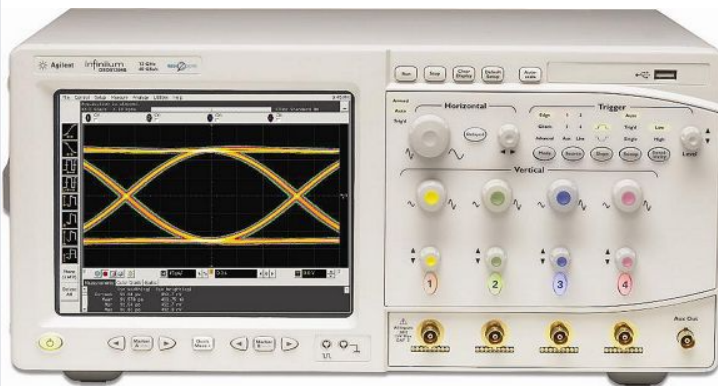
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight DSA81304B (DSO81304B-001-003-004)

Agilent / Keysight Mixed Signal Oscilloscopes (MSO). Bandwidth: 13 GHz, Sample Rate: Up to 40 GSa/s, Sensitivity: Hardware minimum of 5 mV/div.


MODEL

**Agilent / Keysight
DSA81304B/DSO81304B-
001-003-004**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

**DSA81304B/DSO81304B-
001-003-004**

LISTING

<https://aumictechlabs.com/products/dsa81304b-dso81304b-001-003-004-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight DSA81304B is a 13 GHz Infiniium digital signal analyzer built for high-speed serial data debugging, compliance testing, and signal integrity analysis. This four-channel instrument delivers real-time sample rates to 40 GSa/s with configurable memory up to 64 Mpts, enabling capture of complex transient phenomena. The DSO81304B-001-003-004 configuration includes memory upgrade, high-speed serial data analysis with clock recovery, and EZJIT Plus jitter analysis software. Technical Specifications Bandwidth: 13 GHz Analog Channels: 4 Real-Time Sample Rate: Up to 40 GSa/s Record Length: Standard 512 kpts; optional 2 Mpts at 40 GSa/s; optional 64 Mpts at 4 GSa/s Display: XGA touch screen with 256 intensity levels Key Features

Signal Integrity: Lowest noise floor of 419 μV at 5 mV/div and trigger jitter below 500 fs rms
Vertical Sensitivity: Hardware minimum of 5 mV/div Noise Reduction: Industry-exclusive noise reduction option (Opt 005) Software Suite: High-speed serial data analysis, clock recovery, jitter analysis, compliance testing for FBD, Wireless USB, PCI Express II, low-speed serial (I2C/SPI/CAN), and MATLAB integrationTypical Applications High-speed serial data validation and compliance verification Jitter characterization and timing analysis Low-speed serial protocol debugging (I2C, SPI, CAN) Signal integrity assessment in complex digital designsCompatibility & Integration The DSA81304B supports InfiniiMax probing solutions with bandwidths from 1.5 GHz to 12 GHz, including the lowest-noise probing system available. Interchangeable probe heads accommodate browsing, solder-in, socketed, and SMA configurations. RoHS-compliant solder-in probes are available.

DSA81304BDSO81304B001003004 Characteristics / Specifications

PARAMETER	VALUE
Model	DSA81304B
Alternate Model	DSO81304B
Instrument Type	real-time digital oscilloscope
Analog Bandwidth	13 GHz
Maximum Sample Rate Class	40 GSa/s class on two channels
Channel Count	4 analog channels class
Memory Depth Class	deep memory Infiniium class
Vertical Resolution Class	8 bit ADC class with averaging
Input Impedance	50 Ohm
Form Factor	Infiniium benchtop
Series Family	Keysight Infiniium 80000B
Related Models	DSO81304B DSA91204A
Triggering	edge glitch pattern serial class
Analysis	jitter eye diagram compliance class DSA pack
Display	large Infiniium color display class
Interfaces	LAN USB GPIB class
Operating Temperature Class	5 C to 40 C
Power Line	100 to 240 Vac class
Use Case	high speed serial debug
Probe Interface	InfiniiMax compatible class
Noise Floor Class	low noise Infiniium class
Timebase Accuracy Class	ovenized or TCXO class option
Bandwidth	13 GHz
Operating temperature	Class: 5 C to 40 C

DSA81304BDSO81304B001003004 Specifications

PARAMETER	VALUE
Agilent Keysight DSA81304B Infiniium Oscilloscope 13 GHz	Overview
Key Features	13 GHz real-time bandwidth
DSA analysis software feature set versus DSO base	40 GSa/s class interleaving modes
Infiniium application framework	Matching DSO81304B hardware platform
Technical Specifications	Model: DSA81304B

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 5 C to 40 C
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Operating Temperature Class	5 C to 40 C
Power Line	100 to 240 Vac class
Use Case	high speed serial debug
Probe Interface	InfiniiMax compatible class
Noise Floor Class	low noise Infiniium class
Timebase Accuracy Class	ovenized or TCXO class option Notes Numeric rows from Agilent/Keysight Infiniium DSA81304B/DSO81304B 13 GHz oscilloscope family specifications. Exact memory options 001/003/004 are configuration dependent as in the queue SKU.

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 list 13 GHz bandwidth, 40 GSa/s class sampling on two channels, and deep memory for serial data and RF analysis (paired SKU DS081304B).

Applications

High-speed serial data compliance, jitter analysis, and wideband RF envelope capture.

Key Features

13 GHz real-time bandwidth

DSA analysis software feature set versus DSO base

40 GSa/s class interleaving modes

Infiniium application framework

Matching DS081304B hardware platform

Technical Specifications

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PARAMETER	VALUE
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Timebase Accuracy Class	ovenized or TCXO class option

Notes

Numeric rows from Agilent/Keysight Infiniium DSA81304B/DS081304B 13 GHz oscilloscope family specifications.
Exact memory options 001/003/004 are configuration dependent as in the queue SKU.

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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.