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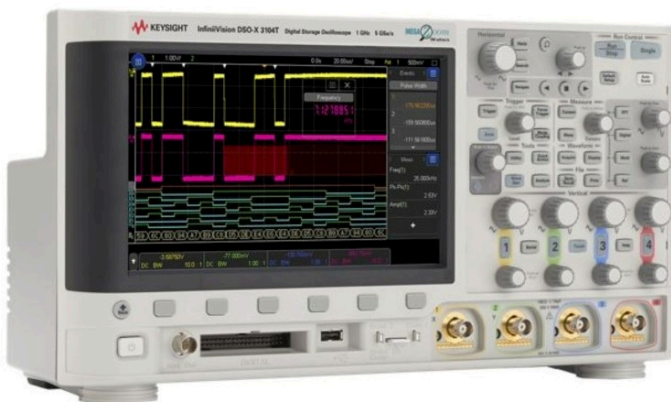
Data Sheet

August 31, 2026

AGILENT / KEYSIGHT

Agilent / Keysight DSOX3104T Oscilloscope: 1 GHz, 4 Analog Channels

Agilent Keysight DSOX3104T Digital Storage Oscilloscope 1 GHz 4 ch The Keysight InfiniiVision DSOX3104T is a 3000T X-Series oscilloscope with 1 GHz bandwidth and 4 analog channels. OEM 3000T data sheets list 5 GSa/s half-channel / 2.5 GSa/s all-channel sample rate, 4 Mpts standard memory, greater than 1,000,000 wfms/s update rate, and an 8.5-inch capacitive touch display. General-purpose mixed-signal debug, serial protocol decode with options, and touch-zone triggered embedded design validation. Greater than 1,000,000 waveforms per second update rate The Keysight InfiniiVision DSOX3104T is a 3000T X-Series oscilloscope with 1 GHz bandwidth and 4 analog channels. OEM 3000T data sheets list 5 GSa/s half-channel / 2.5 GSa/s all-channel sample rate, 4 Mpts standard memory, greater than 1,000,000 wfms/s update rate, and an 8.5-inch capacitive touch display. General-purpose mixed-signal debug, serial protocol decode with options, and touch-zone triggered embedded design validation. Greater than 1,000,000 waveforms per second update rate Bandwidth and MSO upgradability class family



MODEL

**Agilent / Keysight
DSOX3104T**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DSOX3104T

LISTING

<https://aumictechlabs.com/products/dsox3104t-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight DSOX3104T is a 1 GHz, 4-channel digital storage oscilloscope engineered for signal analysis and hardware debugging across diverse engineering applications. It delivers a 5 GSa/s maximum sampling rate, 4 Mpts memory depth, and up to 1,000,000 waveforms/sec capture rate to resolve fast transients and complex signal behavior. The 8.5-inch capacitive touchscreen with gesture support and Zone touch triggering - an exclusive feature - enables rapid isolation of signal anomalies and intuitive waveform visualization. A 450 ps calculated rise time ensures accurate measurement of high-speed edges.

Technical Specifications
Bandwidth: 1 GHz
Analog Channels: 4
Maximum Sampling Rate: 5 GSa/s
Memory Depth: 4 Mpts (standard)
Waveform Update Rate: 1,000,000 waveforms/sec
Rise Time: 450 ps
Display: 8.5-inch capacitive touchscreen, WVGA resolution, gesture support
Trigger Types: Edge, edge then edge, pulse width, pattern, OR, rise/fall time, Nth edge burst, runt, setup & hold, video, USB
Automated Measurements: 38
Math Functions: Add, subtract, multiply, FFT, d/dt, integrate, square root; advanced options include Ax+B, absolute value, logarithmic and exponential functions, filtering, and logic analysis
USB Connectivity: 1× Device port (rear), 2× Host ports (front/rear)
Dimensions: 381 mm (L) × 142 mm (W) × 204 mm (H); 3.99 kg
Power: 125V US plug, cord included
Languages: Multi-language interface including English, German, French, Chinese, Japanese, and 8 others

Key Features
Zone touch triggering for rapid anomaly detection
Gesture-based touchscreen navigation
38 automated measurements plus advanced math waveform analysis
Optional 20 MHz arbitrary waveform generator
Optional digital voltmeter, serial analysis, and mask testing modules

Typical Applications
Designed for signal integrity validation, embedded systems debugging, and protocol analysis across power electronics, communications, and mixed-signal design workflows.

Compatibility & Integration
USB 2.0 Hi-Speed connectivity for data transfer and device control. GPIB and LAN modules available as accessories. Part of the InfiniiVision 3000T X-Series instrument family.

DSOX3104T Characteristics / Specifications

PARAMETER	VALUE
Model	DSOX3104T
Bandwidth	1 GHz
Calculated Rise Time 10 to	less than or equal to 450 ps
Analog Channels	4
Digital Channels	not included on DSO model (MSO upgrade path)
Maximum Sample Rate Half Channel	5 GSa/s
Maximum Sample Rate All Channels	2.5 GSa/s
Maximum Memory Depth Half Channel	4 Mpts
Maximum Memory Depth All Channels	2 Mpts
Display	8.5 inch capacitive touch gesture-enabled
Waveform Update Rate	greater than 1,000,000 waveforms per second
Segmented Memory Maximum Segments	1000
Segmented Memory Rearm Time	1 us minimum
Digital Min Detectable Pulse Width	5 ns
Digital Channel To Channel Skew Typical	2 ns
Digital Channel To Channel Skew Maximum	3 ns
Connectivity Standard	USB 2.0
Series Family	InfiniiVision 3000T X-Series
Trigger	InfiniiScan Zone plus standard trigger modes
Advanced Math	standard one function and FFT simultaneously
Form Factor	benchtop oscilloscope
Rise Time	10 to 90: less than or equal to 450 ps

DSOX3104T Specifications

PARAMETER	VALUE
InfiniiScan Zone touch trigger	Greater than 1,000,000 waveforms per second update rate
Technical Specifications	Model: DSOX3104T
Notes	From Keysight InfiniiVision 3000T X-Series oscilloscope data sheet / quick fact sheet model columns for DSOX3104T.

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	DSOX3104T
Bandwidth	1 GHz
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Analog Channels	4
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Maximum Sample Rate Half Channel	5 GSa/s
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Maximum Memory Depth Half Channel	4 Mpts
Maximum Memory Depth All Channels	2 Mpts
Display	8.5 inch capacitive touch gesture-enabled
Waveform Update Rate	greater than 1,000,000 waveforms per second
Segmented Memory Maximum Segments	1000
Segmented Memory Rearm Time	1 us minimum
Digital Min Detectable Pulse Width	5 ns
Digital Channel To Channel Skew Typical	2 ns
Digital Channel To Channel Skew Maximum	3 ns
Connectivity Standard	USB 2.0
Optional Interfaces: LAN video GPIB class options	
Specifications	
PARAMETER	VALUE
Series Family	InfiniiVision 3000T X-Series
Trigger	InfiniiScan Zone plus standard trigger modes
Advanced Math	standard one function and FFT simultaneously
Form Factor	benchtop oscilloscope
Notes	
From Keysight InfiniiVision 3000T X-Series oscilloscope data sheet / quick fact sheet model columns for	

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

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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.