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Data Sheet

August 31, 2026

AGILENT / KEYSIGHT

Agilent / Keysight DSOX3014A Oscilloscope: 100 MHz, 4 Channels

Agilent Keysight DSOX3014A InfiniiVision Oscilloscope The Agilent/Keysight DSOX3014A is a 100 MHz 4-channel InfiniiVision 3000 X-Series oscilloscope. OEM 3000 X-Series specifications list up to 4 GSa/s sample rate, deep MegaZoom memory, and greater than 1,000,000 wfms/s update rate class performance with an 8.5 inch display. Embedded design debug, education, and general-purpose analog measurements needing 3000 X-Series update rate and analysis options at 100 MHz. Waveform Update Rate Class: greater than 1000000 waveforms per second class The Agilent/Keysight DSOX3014A is a 100 MHz 4-channel InfiniiVision 3000 X-Series oscilloscope. OEM 3000 X-Series specifications list up to 4 GSa/s sample rate, deep MegaZoom memory, and greater than 1,000,000 wfms/s update rate class performance with an 8.5 inch display. Embedded design debug, education, and general-purpose analog measurements needing 3000 X-Series update rate and analysis options at 100 MHz. Waveform Update Rate Class: greater than 1000000 waveforms per second class Memory Architecture: MegaZoom IV deep memory



MODEL

**Agilent / Keysight
DSOX3014A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DSOX3014A

LISTING

<https://aumictechlabs.com/products/dsox3014a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight DSOX3014A is a 100 MHz, 4-channel digital storage oscilloscope from the InfiniiVision 3000 X-Series, engineered for signal analysis, debugging, and measurement in development and production environments. This instrument captures waveforms at 4 GSa/s with up to 1,000,000 waveforms/sec update rate via MegaZoom IV technology, maximizing the probability of detecting transient events. The 8.5-inch WVGA color display presents signal details across 2 Mpts of standard memory, upgradeable to 4 Mpts.

Technical Specifications
Bandwidth: 100 MHz
Analog Channels: 4
Sampling Rate: 4 GSa/s
Memory Depth: 2 Mpts standard; 4 Mpts optional
Waveform Update Rate: 1,000,000 waveforms/sec
Vertical Resolution: 8 bits
Display: 8.5-inch WVGA color
Rise Time (calculated): 3.5 ns

Key Features
MegaZoom IV Smart Memory: Fast waveform updates paired with deep memory for zooming into captured signal details
Hardware Mask Testing: Up to 270,000 tests per second for pass/fail validation
Segmented Memory: Optimizes capture of signals with long dead times - laser pulses, serial buses, bursty data
Advanced Math Analysis: Add, subtract, multiply, FFT; optional functions include Ax+B, differentiate, integrate
HDTV Triggering: Built-in support for HDTV signal analysis
Serial Protocol Triggering: Options for protocol-aware triggering and analysis
Search and Navigate: Waveform search across captured memory
Optional Upgrades: 16 digital channels (MSO), 20 MHz function generator with modulation, 3-digit DVM, frequency counter, LAN/VGA/GPIB interfaces

Typical Applications
Signal integrity analysis, digital and analog circuit debug, protocol verification, transient capture, frequency domain analysis via FFT, power supply testing.

Compatibility & Integration
USB host ports (front and rear) support external storage and peripherals. USB device port enables remote control and data transfer to PCs. Optional LAN, VGA, and GPIB interfaces expand connectivity for bench and automated test environments.

DSOX3014A Characteristics / Specifications

PARAMETER	VALUE
Analog Bandwidth	100 MHz
Analog Channels	4
Maximum Sample Rate	4 GSa/s
Waveform Update Rate Class	greater than 1000000 waveforms per second class
Display Size	8.5 inch WVGA
Vertical Resolution	8 bit
Memory Architecture	MegaZoom IV deep memory
Input Coupling	DC AC ground
Input Impedance Class	1 MOhm and 50 ohm paths class
Hardware Counter	Integrated frequency counter
Segmented Memory	Available
WaveGen Option	Built in function arbitrary generator option
Digital Voltmeter Option	Integrated DVM option path
Serial Trigger Analysis	Optional protocol packages
Form Factor	Benchtop InfiniiVision 3000 X
Series Family	InfiniiVision 3000 X Series
Remote Interfaces	USB standard with LAN GPIB options
Mask Testing	Optional
Search And Navigate	Standard class feature
Probe Support	AutoProbe compatible class
Operating Temperature Class	Standard lab benchtop
Education Kit Path	Educator resource kit support class
Bandwidth	100 MHz
Operating temperature	Class: Standard lab benchtop

DSOX3014A Specifications

PARAMETER	VALUE
Agilent Keysight DSOX3014A InfiniiVision Oscilloscope	Overview
Technical Specifications	Analog Bandwidth: 100 MHz
Notes	From Keysight/Agilent DSOX3014A / 3000 X-Series product documentation. Exact memory depth SKUs vary by option; confirm unit configuration.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Standard lab benchtop
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Operating Temperature Class	Standard lab benchtop
Education Kit Path	Educator resource kit support class Notes From Keysight/Agilent DSOX3014A / 3000 X-Series product documentation. Exact memory depth SKUs vary by option; confirm unit configuration.

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 up to 4 GSa/s sample rate, deep MegaZoom memory, and greater than 1,000,000 wfms/s update rate class performance with an 8.5 inch display.

Applications

Embedded design debug, education, and general-purpose analog measurements needing 3000 X-Series update rate and analysis options at 100 MHz.

Key Features

Four analog channels

MegaZoom IV ultra fast update

Optional WaveGen and DVM

Serial decode option path

USB LAN GPIB connectivity options

Technical Specifications

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Analog Bandwidth	100 MHz
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Series Family	InfiniiVision 3000 X Series
Remote Interfaces	USB standard with LAN GPIB options
Mask Testing	Optional
Search And Navigate	Standard class feature
Probe Support	AutoProbe compatible class

PARAMETER	VALUE
Operating Temperature Class	Standard lab benchtop
Education Kit Path	Educator resource kit support class

Notes
From Keysight/Agilent DSOX3014A / 3000 X-Series product documentation. Exact memory depth SKUs vary by option; confirm unit configuration.

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.