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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight MSOX3014G

Keysight / Agilent MSOX3014G InfiniiVision Oscilloscope 100 MHz 4+16 The Keysight/Agilent MSOX3014G is an InfiniiVision 3000G X-Series oscilloscope with 100 MHz analog bandwidth, 4 analog channels, and 16 digital channels. OEM 3000G X-Series fact sheets rate MegaZoom IV class update performance with 5 GSa/s class maximum sample rate and 4 Mpts memory depth on an 8.5 inch capacitive class display. Embedded mixed-signal debug, education labs, serial decode with options, and general-purpose analog measurements. The Keysight/Agilent MSOX3014G is an InfiniiVision 3000G X-Series oscilloscope with 100 MHz analog bandwidth, 4 analog channels, and 16 digital channels. OEM 3000G X-Series fact sheets rate MegaZoom IV class update performance with 5 GSa/s class maximum sample rate and 4 Mpts memory depth on an 8.5 inch capacitive class display. Embedded mixed-signal debug, education labs, serial decode with options, and general-purpose analog measurements. MegaZoom IV ultra-responsive update class Series Family: InfiniiVision 3000G X-Series



MODEL

**Agilent / Keysight
MSOX3014G**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MSOX3014G

LISTING

<https://aumictechlabs.com/products/msox3014g-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight MSOX3014G is a 100 MHz mixed-signal oscilloscope that combines 4 analog channels with 16 digital channels for comprehensive signal analysis. Built around MegaZoom IV smart memory technology, it delivers a maximum sample rate of 5 GSa/s (half channels) or 2.5

GSa/s (all channels) with 4 Mpts memory depth. The 8.5-inch capacitive touch screen with gesture support enables intuitive waveform navigation at update rates up to 1,000,000 waveforms per second.

Technical Specifications

Bandwidth: 100 MHz
Analog Channels: 4
Digital Channels: 16
Sample Rate: 5 GSa/s (half channels); 2.5 GSa/s (all channels)
Memory Depth: 4 Mpts standard (2 Mpts interleaved, upgradeable to 4 Mpts/2 Mpts)
Vertical Resolution: 8 bits
Input Impedance: 1 M Ω || 8 pF
Rise Time: ≤ 3.5 ns
Waveform Update Rate: Up to 1,000,000 waveforms/sec
Display: 8.5-inch capacitive touch screen with gesture-enabled functionality
Dimensions: 381 $\times$ 204 $\times$ 142 mm
Weight: 4.2 kg

Key Features

Protocol Triggering and Decoding: I2C, SPI, UART, I2S, and USB PD standard; optional packages for Aerospace/Defense, Automotive, Power analysis, and USB Zone Touch Trigger: Draw trigger zones directly on display for customized acquisition control
Integrated 20 MHz Function/Arbitrary Waveform Generator
Mask Limit and Measurement Limit Testing: Hardware-enabled
Frequency Response Analysis: Bode plot capability
Waveform and Measurement Histograms: For detailed statistical analysis
8-Digit Counter and Totalizer
3-Digit Digital Voltmeter
Enhanced HDTV Video Analysis
Secure Erase functionality

Interfaces and Connectivity

USB Host and Device ports
LAN connectivity
VGA output for external displays
Optional GPIB module available

Included Accessories and Software

N2843A 500 MHz passive probes (1 per channel, 10:1 attenuation)
N2756A 16-channel MSO cable
PathWave BenchVue Oscilloscope Software (BV004B)
Certificate of calibration, power cord, and documentation
CD

MSOX3014G Characteristics / Specifications

PARAMETER	VALUE
Model	MSOX3014G
Series Family	InfiniiVision 3000G X-Series
Instrument Type	Mixed signal oscilloscope
Analog Bandwidth	100 MHz
Analog Channels	4
Digital Channels	16
Maximum Sample Rate	5 GSa/s class
Maximum Memory Depth	4 Mpts
Waveform Update Rate	1000000 waveforms per second class
Display Size	8.5 inch capacitive class
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 class
Segmented Memory	Available
WaveGen Path	Built-in function/arbitrary generator option path
Digital Voltmeter Path	Integrated DVM option path
Serial Trigger Analysis	Optional protocol packages
Chassis Form	Benchtop InfiniiVision
Remote Interfaces	USB standard with LAN GPIB options
Brand Lineage	Keysight / Agilent
Mso Capability	Yes
Bandwidth	100 MHz

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.

performance with 5 GSa/s class maximum sample rate and 4 Mpts memory depth on an 8.5 inch capacitive class display.

Applications

Embedded mixed-signal debug, education labs, serial decode with options, and general-purpose analog measurements.

Key Features

MegaZoom IV ultra-responsive update class

Mixed signal digital channel capture

Optional WaveGen and DVM upgrade path

Serial protocol option packages

Bandwidth and MSO upgradability class

Technical Specifications

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Serial Trigger Analysis	Optional protocol packages
Chassis Form	Benchtop InfiniiVision

PARAMETER	VALUE
Remote Interfaces	USB standard with LAN GPIB options
Brand Lineage	Keysight / Agilent
Mso Capability	Yes

Notes
From Keysight/Agilent InfiniiVision 3000G X-Series fact sheet model row for MSOX3014G. Exact memory split by channel mode follows the published family table.

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.