


Aumictech

Test & measurement • bought, sold, repaired, calibrated

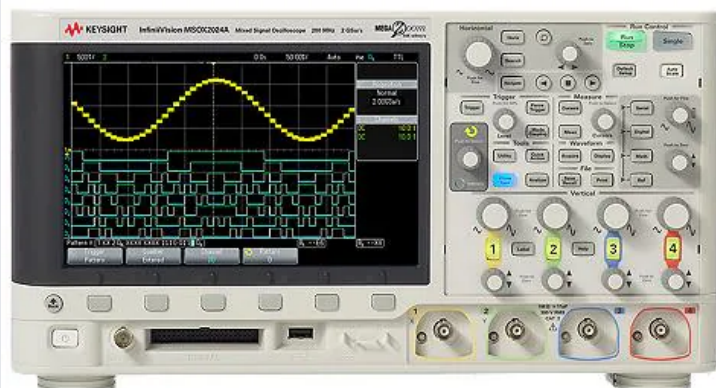
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight MSOX2014A

Keysight / Agilent MSOX2014A InfiniiVision Oscilloscope 100 MHz 4+16 The Keysight/Agilent MSOX2014A is an InfiniiVision 2000 X-Series oscilloscope with 100 MHz analog bandwidth, 4 analog channels, and 16 digital channels. OEM 2000 X-Series fact sheets rate MegaZoom IV class update performance with 2 GSa/s class maximum sample rate and 1 Mpts class memory depth on an 8.5 inch WVGA display. Embedded mixed-signal debug, education labs, serial decode with options, and general-purpose analog measurements. The Keysight/Agilent MSOX2014A is an InfiniiVision 2000 X-Series oscilloscope with 100 MHz analog bandwidth, 4 analog channels, and 16 digital channels. OEM 2000 X-Series fact sheets rate MegaZoom IV class update performance with 2 GSa/s class maximum sample rate and 1 Mpts class memory depth on an 8.5 inch WVGA 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 2000 X-Series



MODEL

**Agilent / Keysight
MSOX2014A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MSOX2014A

LISTING

<https://aumictechlabs.com/products/msox2014a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight MSOX2014A is a mixed-signal oscilloscope from the InfiniiVision 2000 X-Series that captures and analyzes analog and digital signals simultaneously. It combines 100 MHz bandwidth, four analog channels, and eight digital channels in a single instrument. The 1 Mpts acquisition

memory per channel and up to 200,000 waveforms/sec update rate deliver detailed transient visibility. An 8.5-inch WVGA color display and USB host/device connectivity support field analysis and data transfer.

Technical Specifications

Bandwidth: 100 MHz
Analog Channels: 4
Digital Channels: 8
Sampling Rate: Up to 2 GSa/s (half-channel); 1 GSa/s per channel
Acquisition Memory: 1 Mpts per channel
Waveform Update Rate: Up to 200,000 waveforms/sec
Vertical Resolution: 8-bit
Display: 8.5-inch WVGA color
Dimensions: Approximately 15 inches wide, less than 6 inches deep
Weight: Approximately 8.5 pounds

Key Features

Waveform math and FFT analysis
Edge, pulse width, pattern, rise/fall time, runt, setup & hold, video, and USB triggering
Multi-language help system (English, Japanese, simplified and traditional Chinese, Korean, German, French, Spanish, Russian, Portuguese, Thai, Polish, Italian)
Four 150 MHz 10:1 passive probes (N2862B) included
8-channel logic probe kit (N2755-60001) included
Certificate of Calibration and documentation
CD 5-year standard warranty

Optional Enhancements

Serial protocol triggering and decode: CAN/LIN, I2C/SPI, UART/RS232
20 MHz function generator
Digital voltmeter
LAN connectivity
VGA output
GPIB interface

Typical Applications

Designed for engineers and technicians requiring simultaneous analog and digital signal acquisition in embedded systems development, digital design verification, mixed-signal troubleshooting, and protocol-level analysis with optional decode capabilities.

MSOX2014A Characteristics / Specifications

PARAMETER	VALUE
Model	MSOX2014A
Series Family	InfiniiVision 2000 X-Series
Instrument Type	Mixed signal oscilloscope
Analog Bandwidth	100 MHz
Analog Channels	4
Digital Channels	16
Maximum Sample Rate	2 GSa/s class
Maximum Memory Depth	1 Mpts class
Waveform Update Rate	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 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 2 GSa/s class maximum sample rate and 1 Mpts class memory depth on an 8.5 inch WVGA 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

Technical Specifications

PARAMETER	VALUE
Model	MSOX2014A
Series Family	InfiniiVision 2000 X-Series
Instrument Type	Mixed signal oscilloscope
Analog Bandwidth	100 MHz
Analog Channels	4
Digital Channels	16
Maximum Sample Rate	2 GSa/s class
Maximum Memory Depth	1 Mpts class
Waveform Update Rate	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 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

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

Notes
From Keysight/Agilent InfiniiVision 2000 X-Series fact sheet model row for MSOX2014A. 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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.