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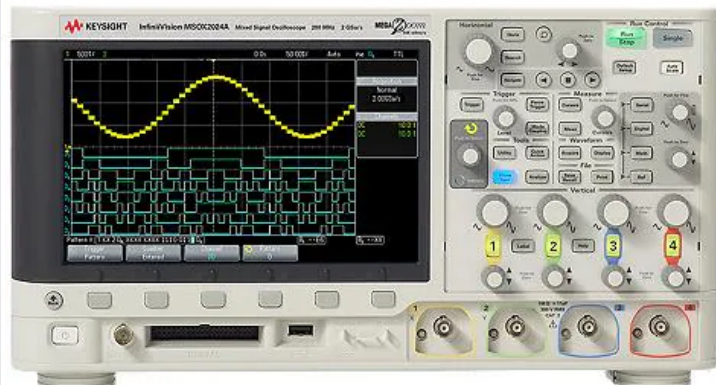
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight MSOX2022A

Keysight / Agilent MSOX2022A InfiniiVision Oscilloscope 200 MHz 2+16 The Keysight/Agilent MSOX2022A is an InfiniiVision 2000 X-Series oscilloscope with 200 MHz analog bandwidth, 2 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 MSOX2022A is an InfiniiVision 2000 X-Series oscilloscope with 200 MHz analog bandwidth, 2 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
MSOX2022A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MSOX2022A

LISTING

<https://aumictechlabs.com/products/msox2022a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight MSOX2022A is a 200 MHz mixed-signal oscilloscope delivering 2 analog channels and 8 digital channels for signal analysis and system troubleshooting. It captures waveforms at 1 GSa/s per analog channel (2 GSa/s in half-channel interleaved mode) and 1 GSa/s for digital

channels, with up to 1 Mpts memory per channel. The 8.5-inch WVGA display provides clear signal visualization, while a 200,000 waveforms/s update rate ensures fast transient events are not missed. Edge, pulse width, pattern, video, and serial triggering options - including CAN/LIN, I2C/SPI, and UART/RS232 decode - enable advanced troubleshooting across multiple protocol layers. Zone touch trigger simplifies operation on complex signals.

Technical Specifications
Bandwidth: 200 MHz Analog Channels: 2 Digital Channels: 8 (MSO) Sampling Rate: 1 GSa/s per analog channel; 2 GSa/s half-channel interleaved; 1 GSa/s digital Memory Depth: 1 Mpts per channel (upgradeable) Waveform Update Rate: 200,000 waveforms/s Display: 8.5-inch WVGA color

Key Features
Triggering: edge, pulse width, pattern, video, rise/fall time, runt, setup & hold, Nth edge burst, USB, and zone touch trigger Serial trigger and analysis for CAN/LIN, I2C/SPI, UART/RS232 Waveform math and FFT Upgradeable to 20 MHz function generator, 3-digit voltmeter, segmented memory, mask testing, and logic timing analyzer Includes one 300 MHz 10:1 passive probe per analog channel and 8-channel logic probe kit BenchVue Basic software included USB host/device, optional LAN, VGA, and GPIB connectivity

Typical Applications
Embedded systems debugging, serial protocol analysis, power supply verification, and mixed-signal circuit characterization.

Compatibility & Integration
Probe-compatible with Keysight InfiniiVision X-Series oscilloscopes. BenchVue software supports instrument control and data analysis.

MSOX2022A Characteristics / Specifications

PARAMETER	VALUE
Model	MSOX2022A
Series Family	InfiniiVision 2000 X-Series
Instrument Type	Mixed signal oscilloscope
Analog Bandwidth	200 MHz
Analog Channels	2
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	200 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

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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 MSOX2022A. 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>

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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.