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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight MSOX3032A

Keysight / Agilent MSOX3032A InfiniiVision Oscilloscope 350 MHz 2+16 The Keysight/Agilent MSOX3032A is an InfiniiVision 3000 X-Series oscilloscope with 350 MHz analog bandwidth, 2 analog channels, and 16 digital channels. OEM 3000 X-Series fact sheets rate MegaZoom IV class update performance with 4 GSa/s maximum sample rate and 4 Mpts 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 The Keysight/Agilent MSOX3032A is an InfiniiVision 3000 X-Series oscilloscope with 350 MHz analog bandwidth, 2 analog channels, and 16 digital channels. OEM 3000 X-Series fact sheets rate MegaZoom IV class update performance with 4 GSa/s maximum sample rate and 4 Mpts 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 3000 X-Series



MODEL

**Agilent / Keysight
MSOX3032A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MSOX3032A

LISTING

<https://aumictechlabs.com/products/msox3032a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight MSOX3032A is a mixed-signal oscilloscope built for engineers and system integrators performing detailed signal analysis across analog and digital domains. It combines 350 MHz bandwidth across two analog channels with 16 digital channels, delivering a 1,000,000

waveforms/second update rate powered by MegaZoom IV technology. This architecture captures transient events and subtle signal anomalies with precision, while the 8.5-inch WVGA color display provides clear waveform visualization for complex troubleshooting.

Technical Specifications

Bandwidth: 350 MHz Analog Channels: 2 Digital Channels: 16 Sample Rate: Up to 4 GSa/s
Memory Depth: 2 Mpts standard; up to 4 Mpts optional Waveform Update Rate: 1,000,000 waveforms/second Vertical Resolution: 8 bit (12 bits with averaging) Minimum Vertical Sensitivity: 1 mV/div Maximum Vertical Sensitivity: 5 V/div Rise Time: 1 ns Time Base: 2 ns/div to 50 s/div
Input Impedance: 1 M Ω analog; 100 k Ω digital; 1 M Ω or 50 Ω user-selectable with InfiniiMax auto-probe interface Input Capacitance: 8 pF Display: 8.5-inch WVGA color

Key Features

Trigger Modes: Edge, Pulse Width, Pattern, Rise/Fall Time, Nth Edge, Burst, Runt, Setup & Hold, Video, USB, and Serial protocol triggering Integrated Instruments: Oscilloscope, Logic Timing Analyzer, 3-digit Digital Voltmeter, 5-digit Frequency Counter Optional 20 MHz Function/Arbitrary Waveform Generator: Sine, square, pulse, triangle, ramp, noise, DC, and arbitrary waveforms Waveform Math: FFT analysis MegaZoom IV Technology: Smart memory management for responsive deep-memory acquisitions Upgradeable: Bandwidth, memory, MSO functionality, waveform generator, serial trigger and analysis, segmented memory, and mask testing Serial Protocol Analysis: I²C, SPI, RS232, UART, CAN, LIN, I²S, MIL-standard support

Connectivity & Integration

USB Host and Device ports Optional LAN and VGA interfaces Optional GPIB interface Multi-language support: English, Japanese, Simplified and Traditional Chinese, Korean, German, French, Spanish, Russian, Portuguese, Italian, Thai, Polish

Physical Specifications

Dimensions: 381 × 141.5 × 204.4 mm Weight: 3.9 kg Safety Category: CAT I

MSOX3032A Characteristics / Specifications

PARAMETER	VALUE
Model	MSOX3032A
Series Family	InfiniiVision 3000 X-Series
Instrument Type	Mixed signal oscilloscope
Analog Bandwidth	350 MHz
Analog Channels	2
Digital Channels	16
Maximum Sample Rate	4 GSa/s
Maximum Memory Depth	4 Mpts
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	350 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 4 GSa/s maximum sample rate and 4 Mpts 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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Model	MSOX3032A
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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 3000 X-Series fact sheet model row for MSOX3032A. 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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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.