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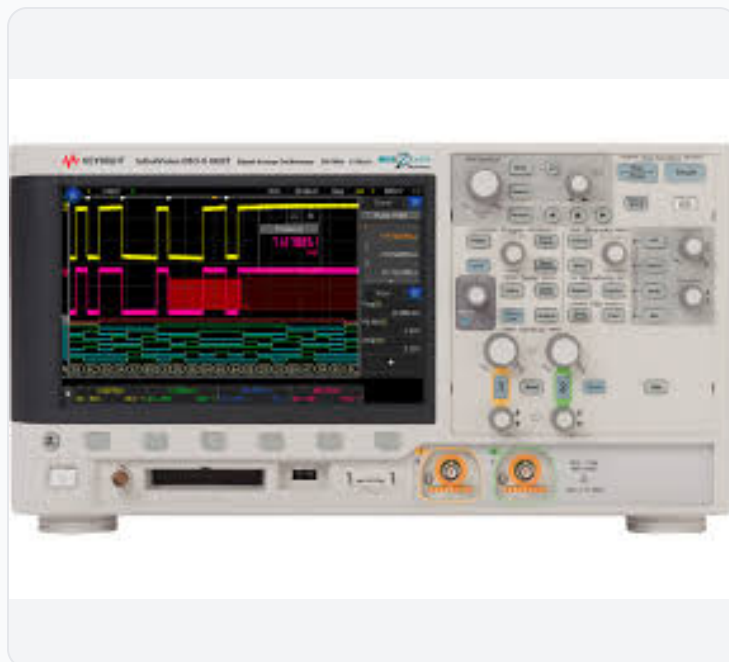
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight MSOX3022T

Keysight / Agilent MSOX3022T Mixed Signal Oscilloscope 200 MHz 2+16 The Keysight/Agilent InfiniiVision MSOX3022T is a 3000T X-Series oscilloscope with 200 MHz bandwidth and 2 analog channels plus 16 digital channels. OEM 3000T data sheets list 5 GSa/s half-channel and 2.5 GSa/s all-channel sample rate, 4 Mpts standard memory, greater than 1,000,000 waveforms/s update rate, and an 8.5-inch capacitive touch display with InfiniiScan Zone touch trigger. Mixed-signal embedded debug, touch-zone triggered anomaly capture, optional serial protocol decode, and general-purpose analog measurements on the 3000T X-Series platform. The Keysight/Agilent InfiniiVision MSOX3022T is a 3000T X-Series oscilloscope with 200 MHz bandwidth and 2 analog channels plus 16 digital channels. OEM 3000T data sheets list 5 GSa/s half-channel and 2.5 GSa/s all-channel sample rate, 4 Mpts standard memory, greater than 1,000,000 waveforms/s update rate, and an 8.5-inch capacitive touch display with InfiniiScan Zone touch trigger. Mixed-signal embedded debug, touch-zone triggered anomaly capture, optional serial protocol decode, and general-purpose analog measurements on the 3000T X-Series platform.



MODEL

**Agilent / Keysight
MSOX3022T**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MSOX3022T

LISTING

<https://aumictechlabs.com/products/msox3022t-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight MSOX3022T is a 200 MHz mixed-signal oscilloscope combining 2 analog channels with 16 digital channels in a single instrument. Its 8.5-inch capacitive touch screen with gesture support delivers intuitive operation, while an uncompromised 1,000,000 waveforms/sec update rate captures infrequent events and reveals signal detail. The instrument samples at 5 GSa/s and stores up to 4 Mpts per channel using MegaZoom IV memory technology, maintaining responsive performance even with advanced analysis enabled.

Technical Specifications
Bandwidth: 200 MHz
Analog Channels: 2
Digital Channels: 16 (MSO functionality)
Maximum Sampling Rate: 5 GSa/s
Memory Depth: 4 Mpts standard, upgradeable
Waveform Update Rate: 1,000,000 waveforms/sec
Rise Time: 1.75 ns
Display: 8.5-inch capacitive touch screen with gesture support

Key Features
Zone Touch Triggering for intuitive event capture
Hardware-based serial protocol decoding and triggering (optional): I2C, SPI, RS232/422/485/UART, CAN, CAN FD, LIN, SENT, CXPI, FlexRay, MIL-STD 1553, ARINC 429, USB PD, I2S Edge, pulse width, pattern, rise/fall time, Nth edge, runt, setup & hold, video, and USB triggering modes
33 automated measurements and 9 parametric triggers
Advanced math: addition, subtraction, multiplication, FFT, differentiation, integration, square root
Segmented memory capability
AutoProbe interface supporting active, differential, and current probes N2843A 500 MHz 10:1 passive probes included (one per analog channel) N2756A 16-channel MSO cable included

Integrated Instruments
6-in-1 capability: oscilloscope, logic analyzer, 3-digit voltmeter, 8-digit counter/totalizer, protocol analyzer (optional), and 20 MHz arbitrary/function waveform generator (optional DSOX3WAVEGEN).

Compatibility & Integration
Bandwidth, MSO functionality, WaveGen, memory, and measurement applications are fully upgradeable post-purchase. Documentation CD includes localized user's guide, service guide, and programmer's manual. Standard AC power required with localized power cord included.

MSOX3022T Characteristics / Specifications

PARAMETER	VALUE
Model	MSOX3022T
Series Family	InfiniiVision 3000T X-Series
Instrument Type	Mixed signal oscilloscope
Bandwidth	200 MHz
Calculated Rise Time 10 To	less than or equal to 1.75 ns
Analog Channels	2
Digital Channels	16
Maximum Sample Rate Half Channel	5 GSa/s
Maximum Sample Rate All Channels	2.5 GSa/s
Maximum Memory Depth Standard	4 Mpts
Maximum Memory Depth All Channels Class	2 Mpts class sharing
Display	8.5 inch capacitive touch gesture-enabled
Waveform Update Rate	greater than 1,000,000 waveforms per second
Time Base Range	2 ns/div to 50 s/div
Time Base Accuracy	+/-1.6 ppm plus aging factor
Digital Min Detectable Pulse Width	5 ns
Digital Channel To Channel Skew Typical	2 ns
Digital Channel To Channel Skew Maximum	3 ns
Segmented Memory Maximum Segments	1000
Segmented Memory Rearm Time	1 us minimum
Connectivity Standard	USB 2.0 host and device
Interfaces Optional	LAN video GPIB class modules
Vertical Resolution	8 bits; up to 12 bits high-resolution mode class
Chassis Form	benchtop oscilloscope

PARAMETER	VALUE
Rise Time	10 To 90: less than or equal to 1.75 ns

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	
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Time Base Accuracy	+/-1.6 ppm plus aging factor
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Digital Channel To Channel Skew Typical	2 ns
Digital Channel To Channel Skew Maximum	3 ns
Segmented Memory Maximum Segments	1000
Segmented Memory Rearm Time	1 us minimum
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Interfaces Optional	LAN video GPIB class modules
Vertical Resolution	8 bits; up to 12 bits high-resolution mode class
Chassis Form	benchtop oscilloscope

Notes

From Keysight InfiniiVision 3000T X-Series oscilloscope data sheet model columns for MSOX3022T. Installed bandwidth/MSO/WaveGen licenses determine final capability.

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.