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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight MSOX3032T

WaveGen Option: optional 20 MHz function/AWG (DSOX3WAVEGEN) Optional Interfaces: LAN/VGA (DSOXLAN) and GPIB (DSOXGPIB) Dimensions WxHxD: 381 mm x 204 mm x 142 mm

Numeric rows from Keysight InfiniiVision 3000T X-Series oscilloscope data sheet model columns for MSOX3032T. Optional Interfaces: LAN/VGA (DSOXLAN) and GPIB (DSOXGPIB) Dimensions WxHxD: 381 mm x 204 mm x 142 mm Numeric rows from Keysight InfiniiVision 3000T X-Series oscilloscope data sheet model columns for MSOX3032T.



MODEL Agilent / Keysight MSOX3032T	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU MSOX3032T	LISTING https://aumictechlabs.com/products/msox3032t-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight MSOX3032T is a 350 MHz mixed-signal oscilloscope built for engineers analyzing complex signals across analog and digital domains simultaneously. This instrument combines 2 analog channels with 16 digital channels to deliver complete visibility into embedded systems, microcontroller designs, and multi-protocol debugging scenarios. The 8.5-inch capacitive touch display with gesture support provides intuitive access to triggering controls and waveform analysis tools. Maximum sampling reaches 5 GSa/s on single channels, dropping to 2.5 GSa/s when both analog inputs are active. Memory depth of 4 Mpts per channel - reduced to 2 Mpts with both analog channels in use - supports deep acquisitions for transient capture and statistical analysis. Technical Specifications Bandwidth: 350 MHz Analog Channels: 2 Digital Channels: 16

(MSO feature) Maximum Sampling Rate: 5 GSa/s (single channel); 2.5 GSa/s (dual analog)
Memory Depth: 4 Mpts (single analog); 2 Mpts (dual analog) Waveform Update Rate: 1,000,000 waveforms/second Display: 8.5-inch color TFT LCD with capacitive touch and gesture support
Input Voltage: 100 V to 240 V Physical: 381 mm × 142 mm × 204 mm; 4 kgKey Features Zone Touch Triggering for rapid signal isolation Serial protocol triggering and analysis: I2C, SPI, RS232/422/485/UART, CAN, CAN FD, LIN, SENT, CXPI, FlexRay, MIL-STD 1553, ARINC 429, USB PD, I2S Optional 20 MHz arbitrary/function waveform generator with sine, square, ramp, pulse, DC, Sinc(x), exponential, cardiac, Gaussian, and noise waveforms Mask testing capability 3-digit voltmeter option Passive probes included: one 500 MHz, 10:1 per analog channel 16-channel MSO cable included 3-year calibration intervalTypical Applications Embedded system debug, microcontroller signal validation, mixed-signal protocol analysis, power supply transient measurement, and multi-channel digital state correlation.Compatibility & Integration USB connectivity supports external control and data transfer. Modular upgrade path allows addition of waveform generation, protocol analysis, and measurement functions without instrument replacement.

MSOX3032T Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Mixed Signal Oscilloscope
Series Family	InfiniiVision 3000T X-Series
Model	MSOX3032T
Analog Bandwidth	350 MHz (minus 3 dB)
Calculated Rise Time 10 to	1 ns or less
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 Half Channel	4 Mpts
Maximum Memory Depth All Channels	2 Mpts
Digital Channel Sample Rate	1.25 GSa/s all pods
Waveform Update Rate	greater than 1,000,000 waveforms per second
Display	8.5 inch capacitive touch gesture enabled
Vertical Resolution	8 bits (12 bits with averaging)
Input Impedance	1 MOhm plus or minus 1 percent (14 pF); 50 ohm plus or minus 1.5 percent
Input Sensitivity Range	1 mV/div to 5 V/div (1 MOhm and 50 ohm)
Hardware Bandwidth Limit	approximately 20 MHz selectable
DC Vertical Gain Accuracy	plus or minus 2.0 percent full scale (warranted after 30 min warm up)
DC Vertical Offset Accuracy	plus or minus 0.1 div plus or minus 2 mV plus or minus 1 percent of offset setting
Offset Range Low	plus or minus 2 V (1 mV/div to 200 mV/div)
Offset Range High	plus or minus 50 V (greater than 200 mV/div to 5 V/div)
Maximum Input Voltage	135 Vrms; 190 Vpk
Channel To Channel Isolation	greater than 100:1 from DC to maximum specified bandwidth

PARAMETER	VALUE
Time Base Range	1 ns/div to 50 s/div
Time Base Accuracy	plus or minus 1.6 ppm plus aging (1st year plus or minus 0.5 ppm; 5 years plus or minus 1.5 ppm)
Segmented Memory Maximum Segments	1000
Segmented Memory Rearm Time	1 us minimum
Peak Detect Glitch Width	250 ps at all time base settings
Digital Min Detectable Pulse Width	5 ns
Digital Channel To Channel Skew Typical	2 ns
Digital Channel To Channel Skew Maximum	3 ns
Digital Input Impedance	100 kOhm plus or minus 2 percent at probe tip
Integrated DVM	standard 3 digit voltmeter
Hardware Counter	built in frequency counter / 8 digit class with totalizer
WaveGen Option	optional 20 MHz function/AWG (DSOX3WAVEGEN)
Connectivity Standard	USB 2.0
Dimensions WxHxD	381 mm x 204 mm x 142 mm
Weight Net	4.0 kg (9.0 lb)
Form Factor	benchtop oscilloscope
Bandwidth	350 MHz (minus 3 dB)
Rise Time	10 to 90: 1 ns or less

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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Notes

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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 ·
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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.