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Data Sheet

August 31, 2026

AGILENT / KEYSIGHT

Agilent / Keysight DSOX1102A Oscilloscope: 70/100 MHz, 2 Analog Channels

Time Base Class: Standard 1000 X-Series ranges Input Coupling Class: DC AC grounded class Probe Interface Class: Passive probe support with AutoProbe recognition class From Keysight InfiniiVision 1000 X-Series Oscilloscope data sheet 5992-3484EN DSOX1102A/DSOX1102G column. WaveGen applies only to Gmodels. Input Coupling Class: DC AC grounded class Probe Interface Class: Passive probe support with AutoProbe recognition class From Keysight InfiniiVision 1000 X-Series Oscilloscope data sheet 5992-3484EN DSOX1102A/DSOX1102G column. WaveGen applies only to Gmodels.



MODEL

**Agilent / Keysight
DSOX1102A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DSOX1102A

LISTING

<https://aumictechlabs.com/products/dsox1102a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight DSOX1102A is a 70 MHz digital storage oscilloscope built for signal analysis in education, research, and industrial applications. This two-channel instrument delivers 50,000 waveforms per second through MegaZoom IV custom ASIC technology, enabling reliable capture of transient anomalies and subtle signal details. With 1 Mpts acquisition memory per channel and a 7-inch WVGA display, it combines professional measurement capability with intuitive operation. Technical Specifications Analog Channels 2 analog channels with 8-bit vertical

resolution Input impedance: $1\text{ M}\Omega \parallel 16\text{ pF}$ Input sensitivity: $500\text{ }\mu\text{V/div}$ to 10 V/div AC/DC input coupling Bandwidth and Acquisition Bandwidth: 70 MHz (100 MHz available via optional upgrade) Waveform update rate: $50,000\text{ wfms/sec}$ Acquisition memory: 1 Mpts per channel Time base range: 2 ns/div to 50 s/div Triggering Trigger modes: Automatic, Normal, Single Edge, pulse width, video, rise/fall time, setup and hold, pattern/state, runt triggering Selectable coupling: AC, DC, High-pass, Low-pass Trigger sources: CH1, CH2, External signal, Supply voltage source Display and Interface 7-inch WVGA TFT-LCD, 800×480 pixels USB Host and USB Device connectivity Optional LAN/VGA and GPIB modules Analysis and Math Addition, subtraction, multiplication, division, FFT (magnitude and phase), low-pass filter Mask/Limit testing supported Optional protocol triggering and decode: I2C, UART/RS232, SPI, CAN, LIN BenchVue Software integration with BV0004B Oscilloscope appKey Features MegaZoom IV technology enables responsive memory acquisitions Dimensions: $314\text{ mm} \times 165\text{ mm} \times 130\text{ mm}$ Includes two N2140A $200\text{ MHz } 10:1/1:1$ switchable passive probes Built-in training signals and help documentation Calibration certificate included Typical Applications Education, research and development, and industrial signal measurement and diagnostics. Compatibility & Integration Standard USB connectivity for device and host operation. Optional LAN/VGA and GPIB modules available for expanded integration. BenchVue software environment supports instrument control and data analysis workflows.

DSOX1102A Characteristics / Specifications

PARAMETER	VALUE
Analog Channels	2
Bandwidth Base	70 MHz (-3 dB)
Bandwidth With Dsox1b7t1	100 MHz
Calculated Rise Time 70 Mhz	less than or equal to 5 ns
Calculated Rise Time 100 Mhz	less than or equal to 3.5 ns
Maximum Sample Rate	2 GSa/s
Maximum Memory Depth	1 Mpts
Waveform Update Rate	greater than or equal to 50000 waveforms/sec
Segmented Memory	Standard
Mask Limit Testing	Standard
Built In Wavegen	Not available on DSOX1102A (available on DSOX1102G)
External Trigger Class	1
Display Class	Color WVGA class
Series Family	Keysight InfiniiVision 1000 X-Series
Connectivity	USB
Form Factor	Bench
Bandwidth Upgrade License	DSOX1B7T102 70 to 100 MHz
Glitch Capture Class	Capture glitches as narrow as 5 ns class
Frequency Counter Class	Built-in counter class
Vertical Sensitivity Class	Standard 1000 X-Series ranges
Time Base Class	Standard 1000 X-Series ranges
Input Coupling Class	DC AC grounded class
Probe Interface Class	Passive probe support with AutoProbe recognition class
Bandwidth	Base: 70 MHz (-3 dB)
Rise Time	70 Mhz: less than or equal to 5 ns

DSOX1102A Specifications

PARAMETER	VALUE
Applications	Education and general-purpose embedded debugging, serial decode, and teaching labs needing a compact 2-channel scope.
Key Features	70 MHz base bandwidth upgradable to 100 MHz
Technical Specifications	Analog Channels: 2
Notes	From Keysight InfiniiVision 1000 X-Series Oscilloscope data sheet 5992-3484EN DSOX1102A/DSOX1102G column. WaveGen applies only to G models.

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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PARAMETER	VALUE
Analog Channels	2
Bandwidth Base	70 MHz (-3 dB)
Bandwidth With Dsox1b7t102	100 MHz
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Waveform Update Rate	greater than or equal to 50000 waveforms/sec
Segmented Memory	Standard
Mask Limit Testing	Standard
Built In Wavegen	Not available on DS0X1102A (available on DS0X1102G)
External Trigger Class	1
Display Class	Color WVGA class
Series Family	Keysight InfiniiVision 1000 X-Series
Connectivity	USB
Form Factor	Bench
Bandwidth Upgrade License	DS0X1B7T102 70 to 100 MHz
Glitch Capture Class	Capture glitches as narrow as 5 ns class
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Time Base Class	Standard 1000 X-Series ranges
Input Coupling Class	DC AC grounded class
Probe Interface Class	Passive probe support with AutoProbe recognition class
Notes	
From Keysight InfiniiVision 1000 X-Series Oscilloscope data sheet 5992-3484EN DS0X1102A/DS0X1102G column. WaveGen applies only toGmodels.	

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.