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Data Sheet

August 31, 2026

AGILENT / KEYSIGHT

Agilent / Keysight DSOX1102G Oscilloscope: 70/100 MHz, 2 Analog Channels

Frequency Counter Class: Built-in counter class Operating Temperature Class: Standard lab class Probe Interface Class: AutoProbe passive probe support class From Keysight InfiniiVision 1000 X-Series oscilloscope datasheets for DSOX1102G. Operating Temperature Class: Standard lab class Probe Interface Class: AutoProbe passive probe support class From Keysight InfiniiVision 1000 X-Series oscilloscope datasheets for DSOX1102G.



MODEL

**Agilent / Keysight
DSOX1102G**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DSOX1102G

LISTING

<https://aumictechlabs.com/products/dsox1102g-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight DSOX1102G InfiniiVision 1000 X-Series is a 2-channel digital storage oscilloscope delivering 70 MHz base bandwidth, upgradeable to 100 MHz, with 2 GSa/s sampling rate per channel and 50,000 waveforms/second update rate. This instrument consolidates multiple test functions - function generator, protocol analyzer, frequency counter, digital voltmeter, and frequency response analyzer - into a single platform for signal analysis, device characterization, and system troubleshooting. Technical Specifications Bandwidth: 70 MHz (base); upgradeable to 100 MHz via DSOX1B7T102 option Sampling Rate: 2 GSa/s per channel Waveform Update Rate: 50,000 waveforms/second Acquisition Memory: 1 Mpts standard with segmented memory

capability Display: 7-inch WVGA color TFT LCD Input Impedance: $1\text{ M}\Omega \parallel 16\text{ pF}$ Dimensions: $16 \times 14 \times 10$ inches; Weight: 25 lbs Connectivity: USB 2.0 (host and device); BenchVue software remote control Probes Included: Two N2140A 200 MHz 10:1/1:1 switchable passive probes Key Features Integrated Function Generator (WaveGen): 20 MHz bandwidth; sine, square, ramp, pulse, DC, and noise waveforms; AM, FM, and FSK modulation; Bode plot generation Waveform Math: Add, subtract, multiply, divide, FFT (magnitude and phase), low-pass filtering Trigger Options: Edge, edge-then-edge, pulse width, pattern, OR logic, rise/fall time, Nth edge burst, runt, setup & hold, video, USB Protocol Decoding: Optional I²C, SPI, UART, CAN, LIN support Mask Testing: Hardware-based signal verification Segmented Memory: Optimized capture of pulsed signals and intermittent events Digital Voltmeter: 3-digit AC RMS, DC, and DC RMS measurement Frequency Counter: 5-digit resolution External Trigger as Digital Channel: Third measurement input via trigger port configuration Typical Applications Educational laboratories, embedded systems development, analog circuit characterization, power supply analysis, protocol validation, and signal integrity verification. Compatibility & Integration Current firmware version 01.20 (released 2019-07-09). Multi-language help and training signals included. USB connectivity enables data logging and remote instrument control via BenchVue platform.

DSOX1102G Characteristics / Specifications

PARAMETER	VALUE
Analog Channels	2
Bandwidth Base	70 MHz (100 MHz with DSOX1B7T102)
Maximum Sample Rate	2 GSa/s
Maximum Memory Depth	1 Mpts
Waveform Update Rate	greater than or equal to 50000 waveforms/s
External Trigger	1
Display Class	Color WVGA class
Built In WaveGen	20 MHz function generator
Series Family	Keysight InfiniiVision 1000 X-Series
Input Coupling Class	DC AC grounded class
Vertical Sensitivity Class	Standard 1000 X-Series ranges
Time Base Class	Standard 1000 X-Series ranges
Serial Protocol Analysis Class	Standard/optional per model sheet
Connectivity	USB
Form Factor	Bench
Calculated Rise Time 70 MHz Class	less than or equal to 5 ns class
Bandwidth Upgrade Path Class	Model-specific license upgrades
Segmented Memory	Standard on DSOX1102 models
Mask Testing	Standard on DSOX1102 models
Frequency Counter Class	Built-in counter class
Operating Temperature Class	Standard lab class
Probe Interface Class	AutoProbe passive probe support class
Bandwidth	Base: 70 MHz (100 MHz with DSOX1B7T102)
Rise Time	70 MHz Class: less than or equal to 5 ns class
Operating temperature	Class: Standard lab class

DSOX1102G Specifications

PARAMETER	VALUE
Agilent Keysight DSOX1102G InfiniiVision Oscilloscope	Overview
InfiniiVision MegaZoom architecture class	Mask limit testing standard on DSOX11xx
Technical Specifications	Analog Channels: 2
Notes	From Keysight InfiniiVision 1000 X-Series oscilloscope datasheets for DSOX1102G.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Standard lab class
Operating Temperature	Class: Standard lab class
Operating Temperature Class	Standard lab class
Probe Interface Class	AutoProbe passive probe support class Notes From Keysight InfiniiVision 1000 X-Series oscilloscope datasheets for DSOX1102G.

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	
Specifications	
PARAMETER	VALUE
Analog Channels	2
Bandwidth Base	70 MHz (100 MHz with DS0X1B7T102)
Maximum Sample Rate	2 GSa/s
Maximum Memory Depth	1 Mpts
Waveform Update Rate	greater than or equal to 50000 waveforms/s
External Trigger	1
Display Class	Color WVGA class
Built In WaveGen	20 MHz function generator
Series Family	Keysight InfiniiVision 1000 X-Series
Input Coupling Class	DC AC grounded class
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Connectivity	USB
Form Factor	Bench
Calculated Rise Time 70 MHz Class	less than or equal to 5 ns class
Bandwidth Upgrade Path Class	Model-specific license upgrades
Segmented Memory	Standard on DS0X1102 models
Mask Testing	Standard on DS0X1102 models
Frequency Counter Class	Built-in counter class
Operating Temperature Class	Standard lab class
Probe Interface Class	AutoProbe passive probe support class
Notes	
From Keysight InfiniiVision 1000 X-Series oscilloscope datasheets for DS0X1102G.	

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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.