

Keysight EDUX1052A Digital Storage Oscilloscope

InfiniiVision 1000 X-Series • 50 MHz • 2 Analog Channels • Education-Ready



Product Overview

The Keysight EDUX1052A is an entry-level yet professional digital storage oscilloscope from the InfiniiVision 1000 X-Series, designed especially for education and basic R&D.; It offers 50 MHz bandwidth on 2 analog channels, 1 GSa/s sample rate and 200 kpts memory, with a 7-inch color display. Standard features include professional measurements, math, FFT, serial protocol analysis (I²C, UART/RS-232), an integrated digital voltmeter and frequency counter, plus built-in training signals and help system — making it ideal for teaching labs and students.

Key Features

- 50 MHz bandwidth, 1 GSa/s sample rate
 - 200 kpts memory depth
 - 7-inch color TFT LCD display
 - Integrated 3-digit DVM + frequency counter
 - Built-in training signals & multi-language help
- 2 analog channels + external trigger view
 - 100,000 waveforms/sec update rate
 - Standard serial protocol analysis (I²C, UART)
 - Math functions including FFT
 - USB host/device + LAN connectivity

Technical Specifications

Parameter	Specification
Model	Keysight EDUX1052A (InfiniiVision 1000 X-Series)
Bandwidth	50 MHz
Analog Channels	2
External Trigger / Digital	1 (viewable as digital channel)
Maximum Sample Rate	1 GSa/s (all channels)
Maximum Memory Depth	200 kpts
Waveform Update Rate	100,000 wfms/s
Display	7-inch TFT LCD WVGA color
Serial Protocol Analysis	I ² C, UART/RS-232 (standard)
Integrated Instruments	3-digit digital voltmeter, frequency counter
Connectivity	USB 2.0 (host & device), LAN
Standard Accessories	Two N2142A 75 MHz passive probes, power cord, calibration certificate
Warranty / Calibration	3-year warranty, 5-year calibration period

Typical Applications

Education and teaching laboratories • Basic electronics troubleshooting • Student projects and training • Serial bus basics (I²C, UART) • General-purpose benchtop measurements • Entry-level R&D; and hobbyist use

■ Always follow Keysight safety instructions and applicable standards. Use only by qualified personnel. Factory 3-year warranty included.