

KEYSIGHT TECHNOLOGIES (AGILENT HP)

MSOX4154A

The Keysight Technologies InfiniiVision MSOX4154A is a high-performance 1.5 GHz, 4-channel mixed signal oscilloscope featuring a 12.1-inch capacitive touch screen. Part of the 4000 X-Series, it integrates up to five instruments in one, delivering a waveform update rate of up to 1,000,000 waveforms per second powered by MegaZoom IV smart memory technology.

SPECIFICATIONS

Key Performance Specifications

Analog Bandwidth	1.5 GHz
Number of Analog Channels	4
Number of Digital Channels	16
Maximum Record Length	4 Mpts
Waveform Capture Rate	≥ 1,000,000 wfms/s
Vertical Resolution	8 bits

Analog Vertical System

Input Coupling	AC, DC
Input Sensitivity Range (1 M Ω)	1 mV/div to 5 V/div
Input Sensitivity Range (50 Ω)	1 mV/div to 1 V/div
Vertical DC Gain Accuracy	± 2.0% full scale

Trigger System

Trigger Modes	Normal, Auto, Single, Force
Trigger Coupling	AC, DC, LF Reject, HF Reject, Noise Reject

Display & User Interface

Display Size	12.1 inches (307 mm)
Display Type	Capacitive touch color LCD
Display Resolution	800 × 600 (SVGA)

Integrated Instrument Options

Integrated Arbitrary Waveform Generator	Optional Dual-channel WaveGen 20 MHz
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Standard Accessories

Included Passive Probes	4 × N2894A (700 MHz, 10:1 passive attenuation)
Included Digital Channels Cable	N2756A 16-channel MSO cable

Digital Channels (MSO)

Digital Channel Maximum Input Voltage	±40 V peak
Digital Channel Input Capacitance	8 pF (typical)
Digital Channel Minimum Detectable Pulse Width	2 ns

Probing System

Probe Interface	AutoProbe interface
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General Features

Standard Calibration Interval	2 years
Standard Warranty	3 years

TECHNOLOGY

Mixed Signal Oscilloscope

APPLICATIONS

Electronic Design, Debugging, Serial Bus Analysis, and Education

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.