

KEYSIGHT TECHNOLOGIES (AGILENT HP)

MSO9254A

The Keysight Technologies (formerly Agilent) Infiniium MSO9254A is a 2.5 GHz, 4-channel mixed signal oscilloscope integrated with 16 high-speed digital channels. Designed to combine the capabilities of an oscilloscope, logic analyzer, and protocol analyzer into a single, compact bench instrument, the MSO9254A features a large 15-inch XGA touch display and a highly portable form factor less than 9 inches deep.

SPECIFICATIONS

Physical

Weight	11.8 kg kg
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Vertical System - Analog Channels

Analog Bandwidth (-3 dB)	2.5 GHz
Input Channels (Analog)	4
Calculated Rise Time (10% to 90%)	140 ps
Vertical Resolution	8-bit
Sensitivity Range (50 Ohm)	1 mV/div to 1 V/div
Sensitivity Range (1 MOhm)	1 mV/div to 5 V/div

Vertical System - Digital Channels

Digital Input Channels	16 digital channels (fully integrated)
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Horizontal System

Real-Time Sample Rate (1-Channel)	20 GSa/s
Real-Time Sample Rate (Multi-Channel)	10 GSa/s (3 or 4 channels), 20 GSa/s (1 or 2 channels)
Maximum Memory Depth (optional)	1 Gpts (1 or 2 channels), 500 Mpts (3 or 4 channels)

Power & Environmental

Operating Humidity	Up to 95% relative humidity (non-condensing) at +40 °C
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Physical & Compliance

Rackmount Kit Compatibility	Yes (using optional N2902A rackmount kit)
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Trigger

Trigger Level Range (Internal)	±4 divisions from center screen
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Power

Power Consumption	375 W maximum
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Environmental

Non-Operating Temperature	-40 °C to +65 °C
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Compliance

LXI Compliance	Class C
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Vertical System (Analog)

Rise Time (20% to 80%)	105 ps
Probe Interface	AutoProbe

Display

Display Size	15 in (38.1 cm) diagonal
Display Resolution	1024 x 768 (XGA)

Upgrades

Bandwidth Upgradeability	Upgradeable to 4 GHz via software option
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TECHNOLOGY

Mixed Signal Oscilloscope (MSO)

APPLICATIONS

Mixed-signal design and debug, serial protocol analysis, jitter analysis, and high-speed digital system validation.

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