

KEYSIGHT TECHNOLOGIES (AGILENT HP)

MSOS404A

The Keysight Technologies Infiniium MSOS404A is a high-performance 4 GHz Mixed Signal Oscilloscope (MSO) within the Infiniium S-Series. Engineered with a 10-bit analog-to-digital converter (ADC) and high-speed digital integration, it provides 4 analog channels and 16 digital channels. It is designed to deliver superior signal integrity, low noise floor, and precise measurements for demanding high-speed digital design, signal integrity, and serial bus debugging applications.

SPECIFICATIONS

General

Display	15-inch (381 mm) capacitive multi-touch screen, XGA (1024 x 768) resolution
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Vertical System - Analog Channels

Analog Bandwidth (-3 dB)	4 GHz
Analog Input Channels	4

Vertical System - Digital Channels

Digital Input Channels	16
Threshold Groupings	2 pods of 8 channels
Threshold Selections	TTL, CMOS (5.0V/3.3V/2.5V), ECL, PECL, User-defined
User-Defined Threshold Range	±8.00 V in 10 mV increments

Horizontal System & Acquisition

Real-Time Sample Rate (Analog, 2 Channels)	20 GSa/s
Real-Time Sample Rate (Analog, 4 Channels)	10 GSa/s

Vertical System

Analog-to-Digital Converter (ADC) Resolution	10-bit
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Inputs & Outputs

Probe Interface	Keysight AutoProbe
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Standard Accessories

Included MSO Cable Kit	N2756A 16-channel MSO cable kit
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Compliance & Safety

Safety Compliance	IEC 61010-1:2010 / EN 61010-1:2010, CAN/CSA-C22.2 No. 61010-1-12, UL Std. No. 61010-1 (3rd Edition)
Electromagnetic Compatibility	IEC 61326-1:2012 / EN 61326-1:2013, ICES-001:2006, AS/NZS CISPR 11:2011

TECHNOLOGY

Mixed Signal Oscilloscope (MSO)

APPLICATIONS

High-speed digital design, signal integrity analysis, power integrity, DDR memory debugging, and serial bus verification

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