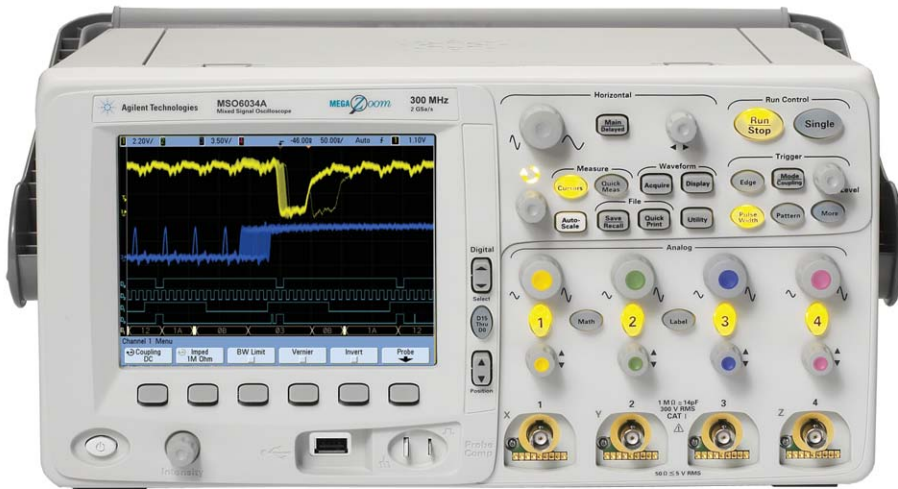
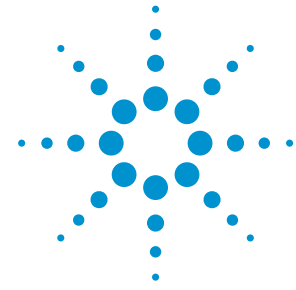


Agilent InfiniiVision 6000 Series Oscilloscopes

Engineered for the best signal visibility

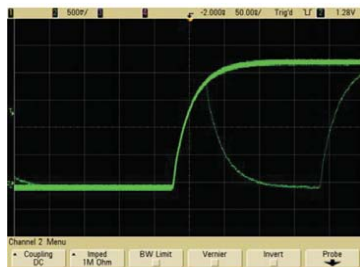


Agilent InfiniiVision 6000 Series scopes will help you identify your most elusive problems faster with:

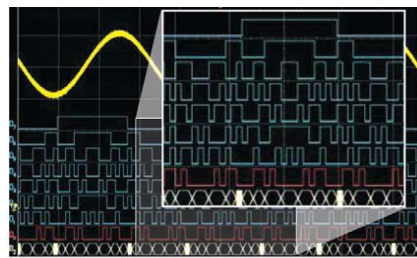
- Attractive:** Traditional form with a longer depth that is stackable, with an optional battery operation hardware configuration for an advanced debug oscilloscope on the go where AC power is not readily available.
- Fast:** Fastest uncompromised update rate shows you critical signal details and infrequent events that other scopes miss, while remaining responsive to input controls.
- Smart:** Insightful applications with the industry's only hardware accelerated decode to give you faster insight.

Key specifications

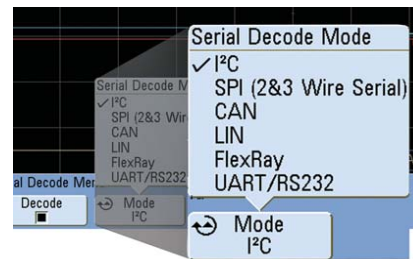
Bandwidth	100 MHz, 300 MHz, 500 MHz and 1 GHz models
Channels	2-ch, 4-ch, 2 analog +16 digital, 4 analog +16 digital
Sample rate	2 GSa/s (100-300 Mhz), 4 GSa/s (500 Mhz-1 Ghz)
Memory	8 Mpts standard
Display	High-definition display with XGA resolution, 256 levels of intensity and 100,000 waveform/sec update rate
Triggering	Edge, pulse width, pattern, V, duration, sequence, serial bus (I ² C, SPI, CAN, LIN, RS-232/UART, and PS)
Warranty	Standard 3-year warranty



See even the most elusive events with up to 100,000 Wfm/s update rate.



Capture a mix of analog and digital signals, compare multiple cycles of digital signals with slower analog phenomena.



Real-time hardware-based serial decode for I²C, SPI, CAN, LIN, RS-232/UART, and I2S.



Quick Fact Sheet

Order the mixed-signal oscilloscope (MSO) to add 16 digital timing channels to any 2- or 4-channel scope

Oscilloscope models

Model	Bandwidth	Sample rate	Analog channels
DSO / MSO 6012A	100 MHz	2 GSa/s	2
DSO / MSO 6014A	100 MHz	2 GSa/s	4
DSO / MSO 6032A	300 MHz	2 GSa/s	2
DSO / MSO 6034A	300 MHz	2 GSa/s	4
DSO / MSO 6052A	500 MHz	4 GSa/s	2
DSO / MSO 6054A	500 MHz	4 GSa/s	4
DSO / MSO 6102A	1 GHz	4 GSa/s	2
DSO / MSO 6104A	1 GHz	4 GSa/s	4

Recommended probes

Model	Description
10070C	1:1, 20 MHz passive probe
10076A	100:1, 4 kV, 250 MHz high-voltage prob
1146A	100 kHz current probe, AC/DC
1147A	50 MHz/15 A current probe, AC/DC
1156A	10:1 active probe, 1.5 GHz
1130A	InfiniiMax active probe - choose one or more probe head
N2783A**	100 MHz/30 A current probe, AC/DC (requires N2779A pwr supply)
N2790A	100 MHz, 1.4 kV high-voltage differential probe with AutoProbe
N2791A	25 MHz, 700 V high-voltage differential probe (battery or USB)
N2792A	200 MHz, +/-20 V differential probe (battery or USB powered)
N2793A	800 MHz, +/-15 V differential probe (battery or USB powered)

For more information on this and other Agilent scopes please visit www.agilent.com/find/6000

Recommended service options

Additional two years of Return-to-Agilent warranty
Additional two years of Return-to-Agilent calibrations

For more information go to :

www.agilent.com/find/removealldoubt



Get the same superior InfiniiVision in other form factors and price points to meet your needs.

Applications

Model	Description
AMS / N5424A	CAN/LIN automotive triggering and decode (for 4 and 4+16 channel models only)
LSS / N5423A	I ² C/SPI serial decode option (for 4 and 4+16 channel models only)
SND / N5468A	I ² S Triggering and decode for (for 4 channel DSO/MSO models only)
232 / N5457A	RS-232/UART triggering and decode (for 4+16 channel models only)
533 / N5469A	MIL-STD-1553 triggering and decode
FLX / N5432A	FlexRay triggering and decode
N5406A	FPGA dynamic probe for Xilinx (MSO models only)
N5434A	FPGA dynamic probe for Altera (MSO models only)
B4610A	Offline viewing and analysis of MSO/DSO data on a PC
U1881A	Power measurement and analysis application
SGM / N5454A	Segmented memory
LMT / N5455A	Mask testing-limit

Options and accessories

Model	Description
BAT	Battery-power option
N2916B	Rackmount kit
N2914A	DSO to MSO upgrade for 100 MHz, 300 MHz
N2915A	DSO to MSO upgrade for 500 MHz, 1 GHz
ABA**	English language option and manual
ABJ	Japanese language option and manual
AB2	Simplified and Traditional Chinese language option and manual

** English is standard, or substitute an alternative language for manual and user interface

Product specifications and descriptions in this document subject to change without notice.

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