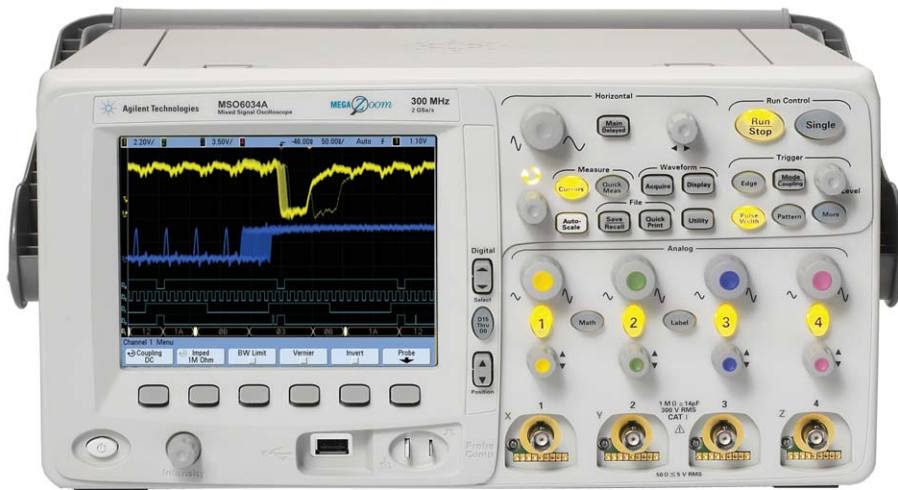
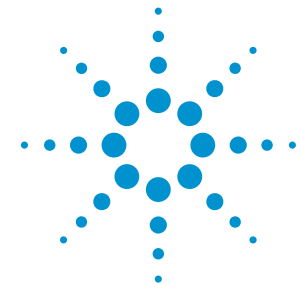


Quick Fact Sheet

Agilent InfiniiVision 6000 Series Oscilloscopes

Engineered for the best signal visibility



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

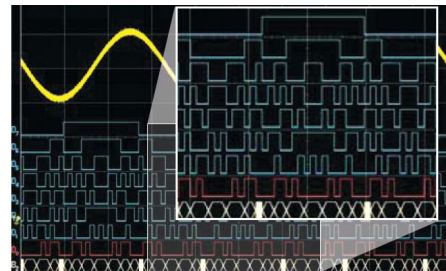
- Attractive** Traditional form with a longer depth that is stackable, with an optional battery operation hardware configuration for an advanced debug oscilloscope on the go where AC power is not readily available.
- Fast** Fastest uncompromised update rate shows you critical signal details and infrequent 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

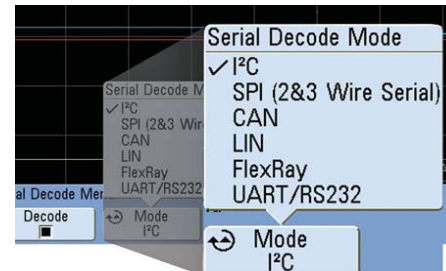
Bandwidth	100 MHz, 300 MHz, 500 MHz and 1 GHz models
Channels	2-ch, 4-ch, 2 analog +16 digital, 4 analog +16 digital
Sample rate	2 GSa/s (100 MHz to 300 MHz), 4 GSa/s (500 MHz to 1 GHz)
Memory	8 Mpts standard
Display	High-definition display with XGA resolution, 256 levels of intensity and 100,000 waveform/sec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



Agilent Technologies

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 power 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)

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

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.

