

Quick Fact Sheet

Agilent InfiniiVision 7000B Series Oscilloscopes

Engineered for the BEST signal visibility

Agilent's new 7000B series oscilloscopes are engineered with the best signal visibility to let you see more subtle signal details and infrequent events better than any other scope on the market.



See more subtle signal detail and infrequent events better than any other scope on the market.

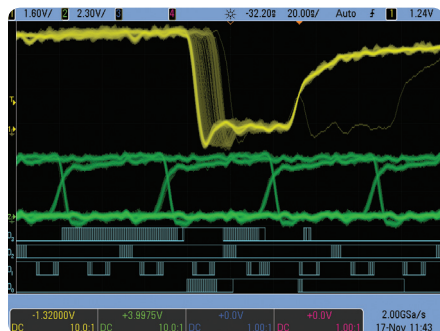
Attractive: Industry's biggest (12.1") screen

Fast: Fastest uncompromised update rate shows you critical signal details and infrequent events that other scopes miss

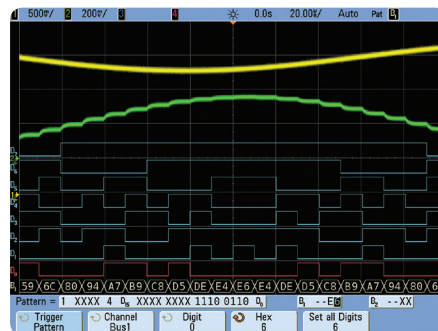
Smart: Insightful applications with the industry's only hardware accelerated decode to give you faster insight

Key specifications

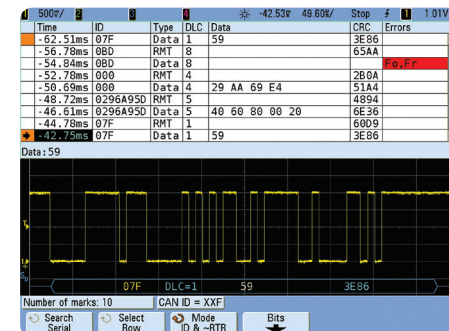
Bandwidth	100 MHz, 350 MHz, 500 MHz, and 1 GHz models
Channels	2-ch, 4-ch, 2-ch + 16 digital, 4-ch + 16 digital
Sample rate	2 GSa/s (100 MHz – 350 MHz), 4 GSa/s (500 MHz – 1 GHz)
Memory	8 Mpts standard
Display	12.1" high-definition display with XGA resolution, 256 levels of intensity and 100,000 waveform/sec update rate
Triggering	Edge, pulse width, pattern, TV, duration, sequence, serial bus (I ² C, SPI, CAN, LIN, FlexRay, MIL-STD 553, RS232/UART, I ² S and USB)
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



Industry's only real-time hardware-based serial decode for I²C, SPI, CAN, LIN, FlexRay, RS232/UART, I²S and MIL-STD-1553

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	Memory depth	Scope channels	MSRP
DSO/MSO 7012B	100 MHz	2 GSa/s	8 Mpts	2	\$4,995 / \$6,802
DSO/MSO 7014B	100 MHz	2 GSa/s	8 Mpts	4	\$6,060 / \$8,050
DSO/MSO 7032B	350 MHz	2 GSa/s	8 Mpts	2	\$7,306 / \$9,800
DSO/MSO 7034B	350 MHz	2 GSa/s	8 Mpts	4	\$8,735 / \$11,700
DSO/MSO 7052B	500 MHz	4 GSa/s	8 Mpts	2	\$9,856 / \$14,042
DSO/MSO 7054B	500 MHz	4 GSa/s	8 Mpts	4	\$12,725 / \$15,691
DSO/MSO 7104B	1 GHz	4 GSa/s	8 Mpts	4	\$15,466 / \$19,500

Options and accessories

Model	Description	MSRP
N2741A-002	2-ch 100 MHz DSO to MSO upgrade kit ¹	\$2,136
N2741A-004	4-ch 100 MHz DSO to MSO upgrade kit ¹	\$2,580
N2735A-002	2-ch 350 MHz DSO to MSO upgrade kit ¹	\$2,222
N2735A-004	4-ch 350 MHz DSO to MSO upgrade kit ¹	\$2,683
N2736A-002	2-ch 500 MHz DSO to MSO upgrade kit ¹	\$4,334
N2736A-004	4-ch 500 MHz DSO to MSO upgrade kit ¹	\$3,738
N2737A	1 GHz DSO to MSO upgrade kit ¹	\$4,281
SEC	Secure Environment Mode – Provides compliance with National Industrial Security Program Operating Manual (NISPOM) Chapter 8 requirements (factory-installed option only for new purchase)	\$585
A6J	ANSI Z540 compliant calibration	\$317
ABA ²	English language option with manual	\$0
ABJ	Japanese language option with manual and overlay	\$0
AB2	Traditional and Simplified Chinese language option with manual and overlay	\$0

1. Includes a 54620-68701 logic cable kit, a label and an upgrade license to activate the MSO features.

2. English is standard, or substitute an alternative language for manual and front panel overlay

For more information on this and other Agilent scopes please visit www.agilent.com/find/7000

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

Applications

Model	Description	MSRP
AMS/ N5424A	CAN/LIN protocol triggering and decode (for 4 and 4+16 channel models only)	\$1,500
LSS/ N5423A	I ² C/SPI serial decode option (for 4 and 4+16 channel models only)	\$1,500
SND/N5468A	I ² S Triggering and decode for (for 4 channel DSO/MSO models only)	\$1,500
232/ N5457A	RS-232/UART triggering and decode (for 4+16 channel models only)	\$1,500
533/N5469A	MIL-STD-1553 triggering and decode	\$1,500
N5432C	Flexray triggering and decode	\$4,500
N5406A	FPGA dynamic probe for Xilinx (MSO models only)	\$1,700
N5434A	FPGA dynamic probe for Altera (MSO models only)	\$1,700
B4610A	Offline viewing and analysis of MSO/DSO data on a PC	\$568
U1881A	Power measurement and analysis application	\$1,563
SGM/ N5454A	Segmented memory	\$1,500
LMT/N5455A	Mask testing-limit	\$750

Recommended probes

Model	Key characteristics	MSRP
10070D	1:1 20 MHz with probe ID	\$183
10073D	10:1, 500 MHz with probe ID (1 per channel comes standard)	\$353
N2873A	10:1, 500 MHz passive probe with ID (optional at no added cost)	\$351
10076B	100:1, 4 kV, 250 MHz probe with ID	\$379
N2771A	1000:1, 30 kV, 50 MHz passive probe	\$1,431
N2795A	1 GHz low-cost single-ended active probe with AutoProbe interface	\$999
N2796A	2 GHz low-cost single-ended active probe with AutoProbe interface	\$1,999
1156A	1.5 GHz single-ended active probe with AutoProbe interface	\$2,629
1130A	1.5 GHz InfiniiMax differential amplifier with AutoProbe interface (requires one or more InfiniiMax probe head – E2675A, E2668A, E2669A)	\$3,048
N2790A	100 MHz, 1.4 kV differential probe with AutoProbe interface	\$1,250
N2791A	25 MHz, 700 V differential probe	\$600
N2792A	200 MHz, 20 V differential probe	\$1,700
N2793A	800 MHz, 15 V differential probe	\$3,000
1146A	100 kHz, 100 A, AC/DC current probe	\$729
1147A	50 MHz, 15 A, AC/DC current probe with AutoProbe interface	\$2,051
N2893A	100 MHz, 15 A, AC/DC current probe with AutoProbe interface	\$3,400
N2783A	100 MHz, 30 A, AC/DC current probe (use with N2779A power supply)	\$2,853

For more information about InfiniiVision oscilloscope probes and accessories, refer to the Agilent literature number, 5968-8153EN.