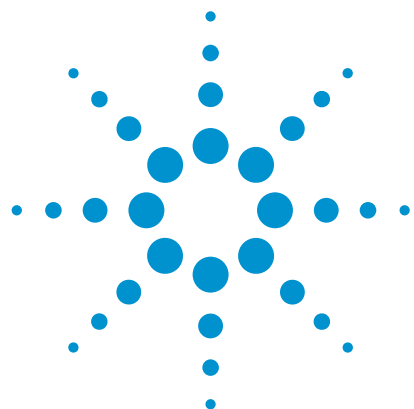




Industry Comparison: Agilent 2000 X-Series versus Rigol DS1000CA/B Oscilloscopes

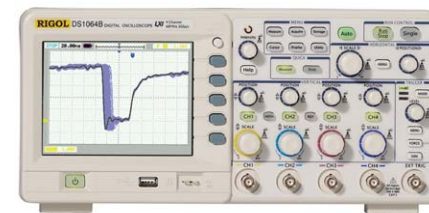
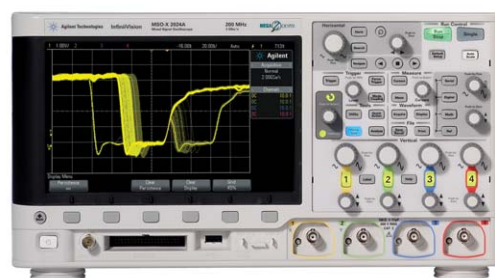
Agilent's new 2000 X-Series oscilloscopes use breakthrough technology to deliver value, functionality, and flexibility at prices that fit into existing budgets. The 2000 X-Series offers an 8.5-inch WVGA high resolution display and our new industry-exclusive integrated function generator and logic analyzer. Agilent-designed *MegaZoom IV* Custom ASIC technology allows you to see more signal detail with update rates of over 50,000 waveforms per second.



InfiniiVision 2000 X-Series

- 50,000 waveforms per second
- 3 instruments in 1
- Fully upgradable

Agilent-designed *MegaZoom IV* custom ASIC technology powers the fastest waveform update rates, integrated MSO, integrated industry-exclusive WaveGen, and responsive deep memory



	Agilent 2000 X-Series		Rigol DS1000CA/B	
Bandwidth	70 MHz, 100 MHz, 200 MHz	✓	60 MHz, 100 MHz, 200 MHz, 300 MHz	✓
Upgradable bandwidth	Yes	✓	No	X
Sampling rate	Up to 2 GSa/s ¹	✓	Up to 1 GSa/s ¹	X
	Up to 2 GSa/s ²	✓	Up to 2 GSa/s ²	✓
Memory depth	Up to 100 K (2 channel models)	✓	Up to 10 kpts (2 channel model)	X
	Up to 100 K (4 channel models)	✓	Up to 16 kpts (4 channel model)	
Display	8.5-inch WVGA (800 x 480)	✓	5.7-inch QVGA (320 x 240)	X
WaveGen built-in function generator	Yes	✓	No	X
Mixed signal oscilloscope	Yes – 8 channels	✓	No	X
Update rate	> 50,000 wfms/s	✓	Unspecified	X
Segmented memory	Yes	✓	Yes	✓
Hardware-based mask test	Yes	✓	No	X

1. On 60/70 MHz models

2. On 100 and 200 MHz models



Agilent Technologies

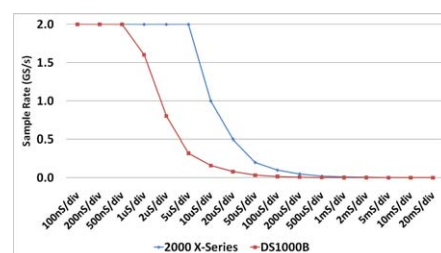
See more

Of your signal, more of the time:

- The 8.5-inch WVGA display offers 2x the viewing area and 5x the resolution versus a 5.7-inch QVGA display
- > 50,000 waveforms per second update rate allows you to see infrequent events and subtle signal details that the DS1000A/B will miss
- Memory depth up to 100 kpts (> 6-10x the DS1000A/B) allows you to keep your sample rate high at longer time/division settings



8.5-inch WVGA display offers 2x the viewing area and 5x the resolution



> 6x the memory allows you to keep sample rates higher on longer time/div settings

Do more

With the power of 3 instruments in 1:

- **Best-in-class oscilloscope**
Provides features not normally found in this class of scope such as a large display, deep memory, and powerful triggering
- **Industry-exclusive WaveGen built-in 20 MHz function generator**
Ideal for educational or design labs where bench space and budget are limited
- **Logic timing analyzer (MSO)**
Ideal for R&D engineers on a tight budget who need more than the traditional 2 or 4 analog channels to troubleshoot today's digital designs

Get more

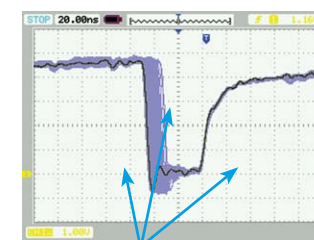
Investment protection with the industry's only fully-upgradable oscilloscope:

- Upgradable bandwidth
- Upgradable MSO
- Upgradable WaveGen built-in 20 MHz Function Generator
- Optional measurement applications

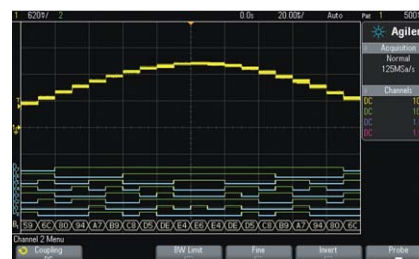
Buy only what you need today. Simple, after purchase upgrades protect your investment and allow you to enhance your equipment as your needs change.



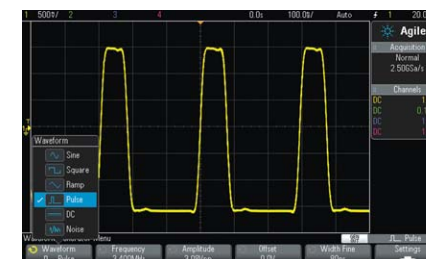
Infrequent glitch and signal jitter captured after 2 seconds on 2000 X-Series with > 50,000 wfms/s



DS1000B after 40 seconds—it never sees the glitches and shows limited signal jitter due to its significantly slower update rate



2000 X-Series' exclusive MSO adds eight integrated digital channels for extra triggering or logic analysis; DSO models are customer-upgradable to MSO models



2000 X-Series' exclusive integrated 20-MHz function generator saves money and space

www.agilent.com
www.agilent.com/find/2000X-Series

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