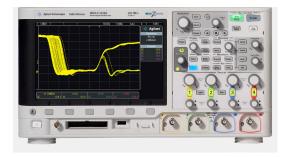
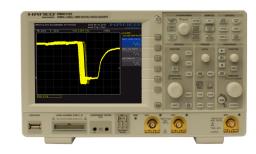




Industry Comparison Guide: Agilent 2000 X-Series versus Hameg HMO Series Oscilloscopes

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, digital voltmeter 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. Now with hardware serial decode, deeper memory and standard 5-year warranty ¹.





InfiniiVision 2000 X-Series

- 50,000 waveforms per second
- 5 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		Hameg HMO	
Bandwidth	70 MHz, 100 MHz, 200 MHz	$\sqrt{}$	70 MHz, 100 MHz, 150 MHz, 200 MHz	
Upgradable bandwidth	Yes	V	Not available	Χ
Sampling rate	Up to 2 GSa/s	V	Up to 2 GSa/s	
Update rate	> 50,000 wfms/s		Up to 2,000 wfms/sec	Χ
Memory depth	Up to 1 Mpt	Χ	Up to 2 Mpts	
Default memory setting	Auto maximized up to 1 Mpt	$\sqrt{}$	5 kpts	Χ
Serial decode and triggering	Yes	V	Yes	
Segmented memory	Yes		Not available	Χ
Display	8.5-inch WVGA (800 x 480)		6.5-inch VGA (640 x 480)	Χ
Function generator	Yes	V	Not available	Χ
Mixed signal oscilloscope	Yes – 8 ch integrated	V	Yes – 8 ch integrated	
Mask test	Yes — up to 50,000/sec	V	Yes, but throughput not specified – likely 2,000/sec or less	Χ
Max input volt	300 V 1 MΩ	V	200 V 1 MΩ	Χ
Knob/channel	Yes	V	No- muxed	Χ

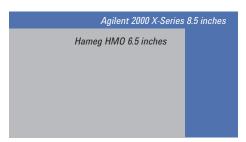
1. Applies to all orders on or after January 1, 2013.



See more

Of your signal, more of the time:

- An 8.5-inch WVGA display offers 50% more viewing area and 25% more resolution than a 6.5" VGA
- > 50,000 waveforms per second update rate allows you to see infrequent events and subtle signal details that the Hameg HMO will miss



8.5-inch WVGA display offers 50% more viewing area and 25% more resolution

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



Three-Year Warranty *

www.agilent.com/find/ThreeYearWarranty

Agilent's combination of product reliability and three-year warranty coverage is another way we help you achieve your business goals: increased confidence in uptime, reduced cost of ownership and greater convenience.

* InfiniiVision 2000 X-Series oscilloscopes bought on or after January 1, 2013, have a 5-year warranty.

Do more

With the power of 5 instruments in 1:

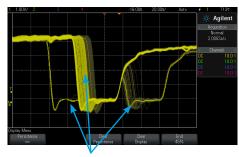
- Best-in-class oscilloscope
 Provides features not normally found in this class of scope such as a large display, deep memory, and powerful triggering
- Protocol analyzer
 Provides protocol-aware triggering, decode, search, and navigation for serial buses
- Logic timing analyzer (MS0)
 Ideal for R&D engineers on a tight budget
 who need more than the traditional 2 or 4
 analog channels
- Industry-exclusive WaveGen 20 MHz builtin function generator
 Ideal for educational or design labs where bench space and budget are limited
- Integrated digital voltmeter
 Provides a 3-digit voltmeter measurements
 (DVM) and 5-digit counter measurements
 inside the oscilloscope. The voltmeter
 operates through the same probes as the oscilloscope channels

Get more

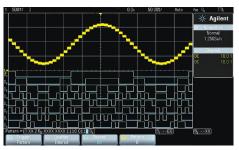
Investment protection and productivity:

- Upgradable bandwidth
- Upgradable MSO
- Upgradable memory
- Upgradable WaveGen 20 MHz built-in function generator
- Upgradable digital voltmeter
- · 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.



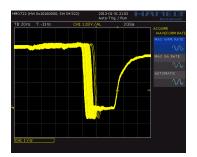
Infrequent glitch and signal jitter captured after 2 seconds on 2000 X-Series with > 50,000 wfms/s



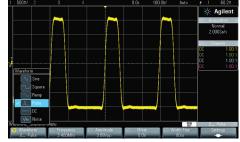
2000 X-Series' exclusive MSO adds eight integrated digital channels for extra triggering or logic analysis; DSO models are customer-upgradable to MSO models



Integrated digit voltmeter (DVM) allows you to characterize signals independent of the scopes triggering system



Less signal jitter and no glitches visible on Hameg HMO after 10 seconds due to compromised update rate



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

