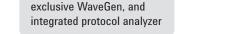


Agilent InfiniiVision 3000 X-Series versus Tektronix DPO/MS03000 Oscilloscopes

Agilent's new 3000 X-Series oscilloscopes use breakthrough technology to deliver value, functionality and flexibility at prices that fit into existing budgets. Using an Agilent-designed *MegaZoom* IV Custom ASIC technology, the 3000 X-Series provides unprecedented signal visibility with over 1,000,000 waveforms per second. The 3000 X-Series is the industry's first 5-in-1 product with a full-featured scope, logic analyzer, protocol analyzer, and a function/arbitrary waveform generator, digital voltmeter all integrated into one design with a large, 8.5-inch display.



Agilent 3000 X-Series		Tektronix DPO/MS03000	
100 MHz, 200 MHz, 350 MHz, 500 MHz, 1 GHz	\checkmark	100 MHz, 300 MHz, 500 MHz	Х
Yes	\checkmark	Not available	Х
5 GSa/s	\checkmark	2.5 GSa/s	Х
4 M	Х	5 M	\checkmark
2.5 GSa/s	Х	2.5 GSa/s	\checkmark
2 M	Х	5 M	\checkmark
8.5-inch WVGA (800 x 480)	\checkmark	9-inch WVGA (800 x 480)	\checkmark
> 1,000,000 wfms/s	\checkmark	55,000 wfms/s	Х
Yes – 16 channels integrated	\checkmark	Yes – 16 channels integrated	\checkmark
Yes	\checkmark	No	Х
Yes	\checkmark	Not available	Х
Yes	\checkmark	No	Х
I ² C, SPI, RS232, CAN, LIN, MIL-STD 1553, ARINC 429, FlexRay, I ² S	\checkmark	I ² C, SPI, RS232, CAN, LIN, I ² S	\checkmark
Yes	\checkmark	No	Х
Yes	\checkmark	Not available	Х
Yes – up to 240,000 tests per second	\checkmark	Not available	Х
	100 MHz, 200 MHz, 350 MHz, 500 MHz, 1 GHz Yes 5 GSa/s 4 M 2.5 GSa/s 2 M 8.5-inch WVGA (800 x 480) > 1,000,000 wfms/s Yes – 16 channels integrated Yes Yes Yes I ² C, SPI, RS232, CAN, LIN, MIL-STD 1553, ARINC 429, FlexRay, I ² S Yes Yes	100 MHz, 200 MHz, 350 MHz, 500 MHz, 1 GHz √ 500 MHz, 1 GHz √ Yes √ 5 GSa/s √ 4 M X 2.5 GSa/s X 2 M X 8.5-inch WVGA (800 x 480) √ > 1,000,000 wfms/s √ Yes 16 channels integrated √ Yes √ Yes	100 MHz, 200 MHz, 350 MHz, 500 MHz, 1 GHz √ 100 MHz, 300 MHz, 500 MHz Yes √ Not available 5 GSa/s √ 2.5 GSa/s 4 M X 5 M 2.5 GSa/s X 2.5 GSa/s 2 M X 5 M 8.5-inch WVGA (800 x 480) √ 9-inch WVGA (800 x 480) > 1,000,000 wfms/s √ 55,000 wfms/s Yes 16 channels integrated √ Yes √ Not available Yes √ No Yes √ No <t< td=""></t<>



InfiniiVision 3000 X-Series

5 instruments in 1 Fully upgradable

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

• 1,000,000 waveforms per second

Anticipate ____Accelerate ____Achieve

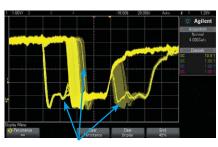


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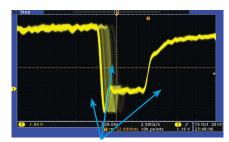
See more

Of your signal, more of the time:

 > 1,000,000 waveforms per second update rate allows you to see infrequent events and subtle signal detail that the DP03000 will miss



Infrequent glitches and signal jitter captured after 1 second on 3000 X-Series with > 1,000,000 wfms/s



DPO3000 after 20 seconds—it never sees the glitches and shows limited signal jitter due to its slower update rate

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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 (MSO) 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 built-in function/arbitrary waveform 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 MS0
- Upgradable memory
- Upgradable WaveGen 20 MHz built-in function/arbitrary waveform 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 LIN bus parity error captured on the 3000 X-Series in less than a second due to hardware-based serial decode



500 CAN serial packets over 9 seconds, captured at a high sample rate, using the 3000 X-Series's segmented memory

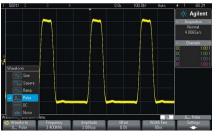


3000 X-Series MSO adds 16 integrated digital channels for extra triggering and analysis; DSO models are customer-upgradable to MSO models



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

Agilent Technologies



3000 X-Series industry-exclusive WaveGen function/arbitrary waveform generator saves money and bench space

www.agilent.com/find/3000X-Series

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