



Industry Comparison: Agilent 2000 X-Series versus Tektronix DPO2000 Oscilloscopes

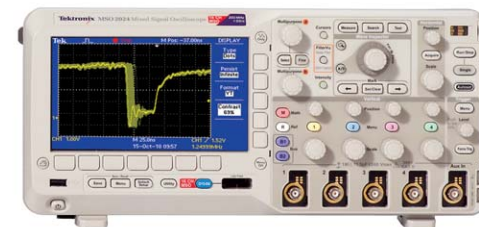
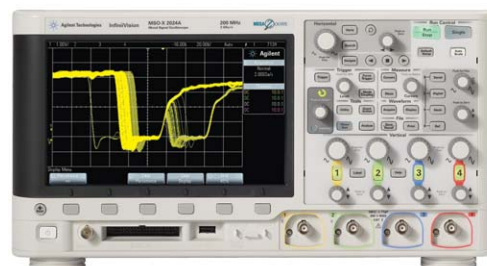
Agilent's new 2000 X-Series oscilloscopes use breakthrough technology to deliver value, functionality, and flexibility at prices that fit into existing budgets. The 2000 X-Series offers an 8.5-inch WVGA high resolution display and our new industry-exclusive integrated function generator and logic analyzer. 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		Tektronix DPO2000	
Bandwidth	70 MHz, 100 MHz, 200 MHz	✓	100 MHz, 200 MHz	✗
Upgradable bandwidth	Yes	✓	No	✗
Maximum sampling rate	Up to 2 GSa/s	✓	Up to 1 GSa/s	✗
Memory depth	Up to 100 kpts	✗	Up to 1 Mpt	✓
Display	8.5-inch WVGA (800 x 480)	✓	7-inch WQVGA (480x234)	✗
Function generator	Yes – integrated	✓	No	✗
Mixed signal oscilloscope	Yes – 8 channels	✗	Yes – 16 channels	✓
Upgradable MSO	Yes	✓	No	✗
Update rate	> 50,000 wfms/s	✓	Up to 5,000 wfms/s	✗
Segmented memory	Yes	✓	No	✗
Hardware-based mask test	Yes – up to 50,000/sec	✓	No	✗
Serial support	No	✗	I ² C, SPI, RS232, CAN, LIN	✓

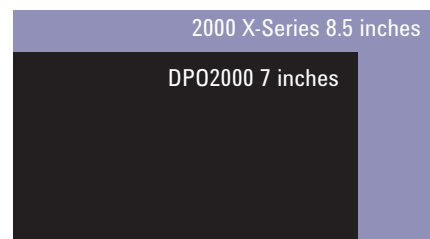


Agilent Technologies

See more

Of your signal, more of the time:

- An 8.5-inch WVGA display offers 50% more viewing area and >3 times more resolution versus a 7-inch QVGA display
- > 50,000 waveforms per second update rate allows you to see infrequent events and subtle signal details that the DPO2000 will miss
- 64 Levels of intensity grading in the 2000 X-Series shows significantly more signal detail than 2 levels of intensity grading in the “DPO” 2000



8.5-inch WVGA display offers 50% more the viewing area and >3x the resolution

Do more

With the power of 3 instruments in 1:

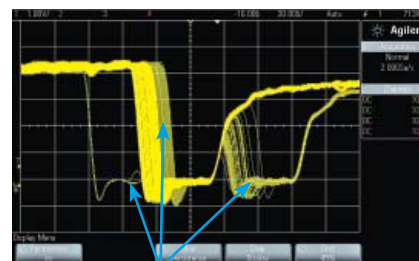
- **Best-in-class oscilloscope**
Provides features not normally found in this class of scope such as a large display, and powerful triggering
- **Industry-exclusive WaveGen built-in function generator**
Ideal for educational or design labs where bench space and budget are limited
- **Logic timing analyzer (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
- 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.



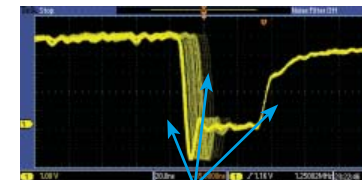
Infrequent glitch and signal jitter captured after 2 seconds on 2000 X-Series with > 50,000 wfms/s



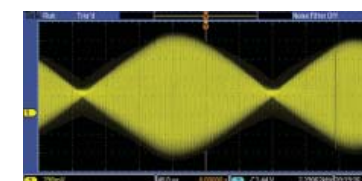
2000 X-Series offers 64 levels of intensity showing significantly more signal detail compared to the DPO2000



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



DPO2000 after 40 seconds—it never sees the glitches and shows limited signal jitter due to its slower update rate



DPO2000 only shows 2 levels of intensity grading and minimal signal detail

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

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

