

Industry Comparison: Agilent 2000 X-Series versus Tektronix TDS2000C Oscilloscopes

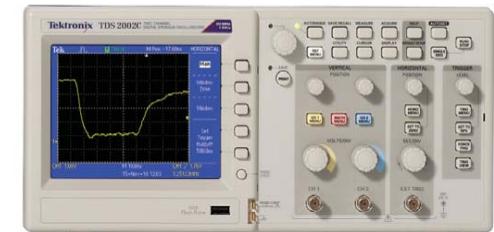
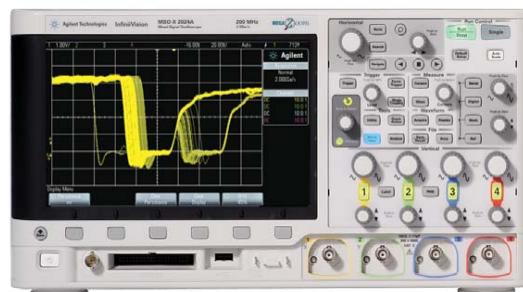
Agilent's new 2000 X-Series oscilloscopes use breakthrough technology to deliver value, functionality, and flexibility at prices that fit into existing budgets. The 2000 X-Series offers an 8.5-inch WVGA high resolution display and our new industry-exclusive integrated function generator and logic analyzer. 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 upgradeable

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 TDS2000C
Bandwidth	70 MHz, 100 MHz, 200 MHz	✓
Upgradable bandwidth	Yes	✓
Maximum sampling rate	Up to 2 GSa/s ¹ Up to 2 GSa/s ²	Up to 1 GSa/s ¹ Up to 2 GSa/s ²
Memory depth	Up to 100 kpts (all models)	Up to 2.5 kpts
Display	8.5-inch WVGA (800 x 480)	5.7-inch QVGA (320 x 240)
Function generator	Yes	✓
Mixed signal oscilloscope	Yes – 8 channels	No
Update rate	> 50,000 wfms/s	200 wfms/s
Segmented memory	Yes	✓
Hardware-based mask test	Yes	✓
Standard warranty	3 years	✗
Pricing	Similar	✓

1. On 70 MHz models

2. On 100 and 200 MHz models



Agilent Technologies

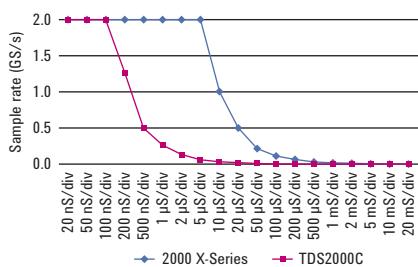
See more

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 TDS2000C will miss
- Memory depth up to 100 kpts (40x the TDS2000C) 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

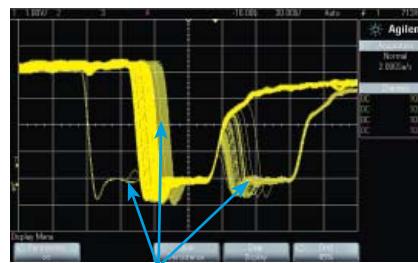


40x the memory allows you to keep sample rates higher on longer time/div settings

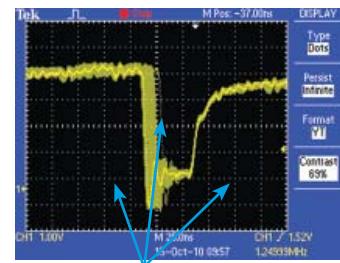
Do more

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 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



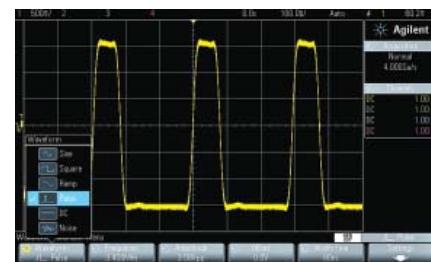
Infrequent glitch and signal jitter captured after 2 seconds on 2000 X-Series with > 50,000 wfms/s



TDS2000C after 40 seconds—it never sees the glitches and shows limited signal jitter due to its slow update rate of 180 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



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

