

Keysight Technologies

2000 X-Series versus Teledyne LeCroy WaveAce 200/2000 Series Oscilloscopes

Competitive Comparison

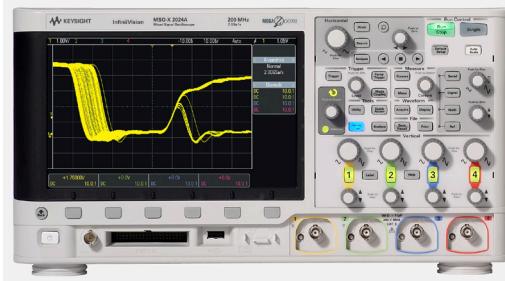
The new Keysight Technologies, Inc. 2000 X-Series oscilloscopes use breakthrough technology to deliver value, functionality, and flexibility at prices that fit into existing budgets. The 2000 X-Series offers an 8.5-inch WVGA high resolution display and our new industry-exclusive integrated function generator,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



InfiniiVision 2000 X-Series

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

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

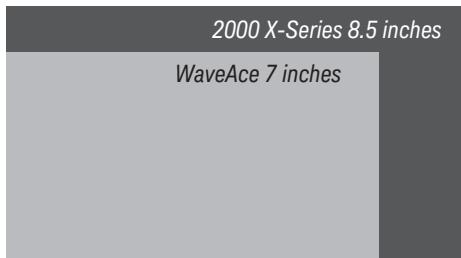


	Keysight 2000 X-Series	Teledyne LeCroy WaveAce 200/2000
Bandwidth	70 MHz, 100 MHz, 200 MHz	✓ 70 MHz, 100 MHz, 200 MHz, 300 MHz ✓
Upgradable bandwidth	Yes	✓ No X
Sampling rate	Up to 2 GSa/s	✓ Up to 2 GSa/s ✓
Memory depth	Up to 1 Mpt (> 40X more)	✓ Up to 24 kpts X
Display	8.5-inch WVGA (800 x 480) (> 47% viewing area and 3.4X more resolution)	✓ 7-inch WQVGA (480 x 234) X
Channel count	2 and 4	✓ 2 and 4 ✓
Integrated function generator	Yes	✓ No X
Integrated digital voltmeter	Yes	✓ No X
Mixed signal oscilloscope	Yes – 8 channels	✓ No X
Update rate	> 50,000 wfms/s	✓ Unspecified X
Hardware-based mask test	Yes	✓ No X
Serial support	Yes	✓ No X

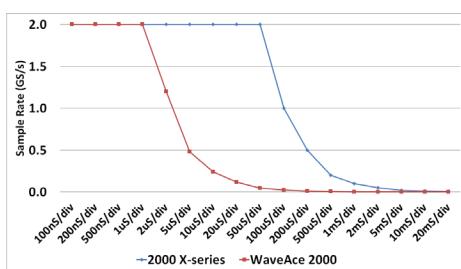
See more

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 WaveAce will miss
- Memory depth up to 1 Mpt (> 40X the WaveAce) allows you to keep your sample rate high at longer time/division settings



8.5-inch WVGA display offers > 47% more the viewing area and > 3X the resolution



5x the memory allows you to keep sample rates higher on longer time/div settings

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 generator is 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

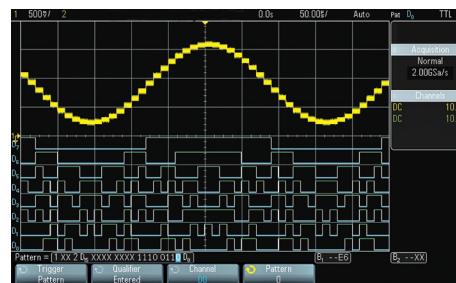
Get more

Investment protection and productivity:

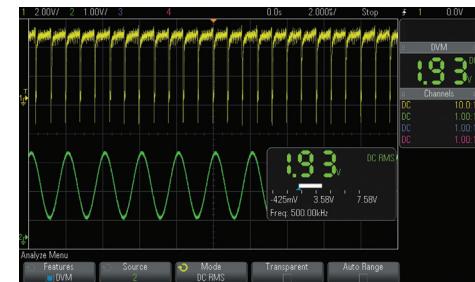
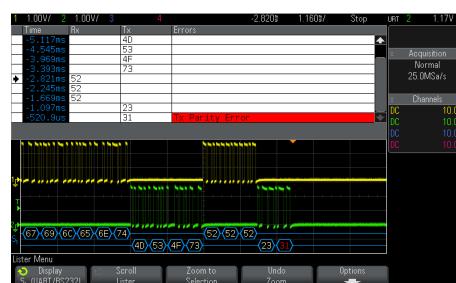
- Upgradable bandwidth
- Upgradable MSO
- Upgradable memory
- Upgradable WaveGen 20 MHz built-in function generator
- Upgradable digital voltmeter
- Optional measurement applications



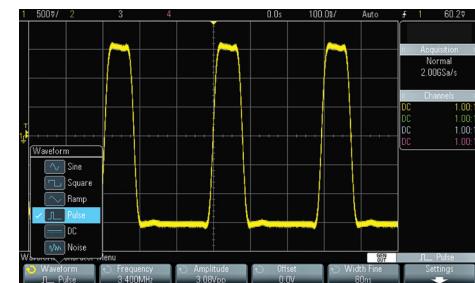
Infrequent glitch and signal jitter captured after 2 seconds on 2000 X-Series with > 50,000 wfms/s



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 Digital Voltmeter (DVM) allows you to characterize signals independently of the scopes triggering system



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

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

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Keysight Services helps you improve productivity and product quality with our comprehensive service offerings of one-stop calibration, repair, asset management, technology refresh, consulting, training, and more.

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