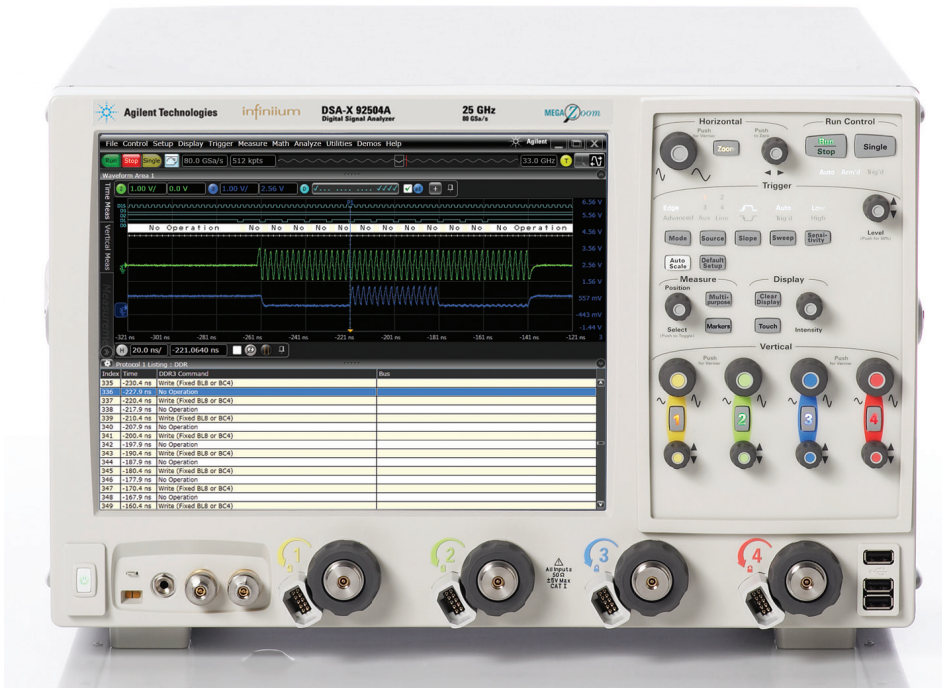


Competitive Comparison: High Performance MSO

Infiniium MSOX90000 Series versus Tektronix MSO70000C/DX Series Oscilloscopes

Combining deep logic analysis with the industry's highest performance oscilloscope

- 1. The industry's highest bandwidth MSO** – From 13 GHz to 33 GHz, your MSO investment is protected and fully upgradable.
- 2. Industry's highest digital sample rate and memory depth** – 20 GSa/s on 8 channels, 10 GSa/s on 16 channels, and up to 400 Mpts of memory make light work of high speed digital signals.
- 3. The industry's highest measurement accuracy** – In side-by-side comparisons, the 90000 X-Series measures more accurately than the competition.



	Infiniium MSOX90000 Series	Tektronix MSO70000C/DX
Analog channels		
Max analog bandwidth	33 GHz	✓ 33 GHz
Max bandwidth (4 channel)	16 GHz	✗ 22.5 GHz
Max memory depth	2 Gpts – 4 channels	✓ 256 Mpts
Sample rate	80 GSa/s	✗ 100 GSa/s
Noise floor (20 GHz, 50 mV/div)	1.65 mVrms	✓ 2.8 mVrms
Jitter measurement floor	100 fs	✓ 290 fs
Bandwidth upgradeable	Yes, to 33 GHz	✓ Yes, to 33 GHz
Digital channels		
Max 8 channel sample rate	20 GSa/s	✓ 12.5 GSa/s
Max 16 channels sample rate	10 GSa/s	✗ 12.5 GSa/s
Max memory depth	400 Mpts	✓ 250 Mpts
Specialized DDR1/2/3 triggering	Yes	✓ No
Analog mux	No	✗ Yes



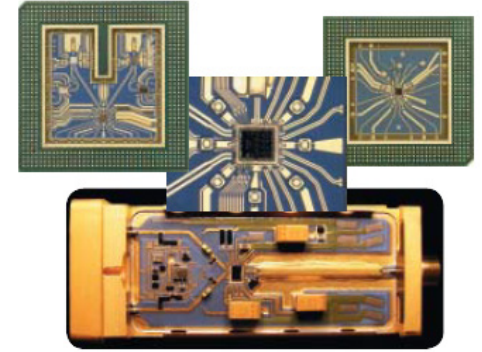
Combining deep logic analysis with the industry's highest performance oscilloscope

How did we achieve this?

Agilent Technologies 90000 X-Series has hardware performance to 33 GHz. The 90000 X-Series uses custom Indium Phosphide chips and signal integrity expertise to achieve true analog bandwidth to 33 GHz.

Now Agilent's 90000 X-Series can be purchased as a Mixed Signal Oscilloscope. The integrated 8/16 digital channels offer the industry's fastest sample rate and deepest memory. The MSOX90000 series represents the highest bandwidth and most accurate MSO in the industry, further extending Agilent's advantage in both analog and digital analysis.

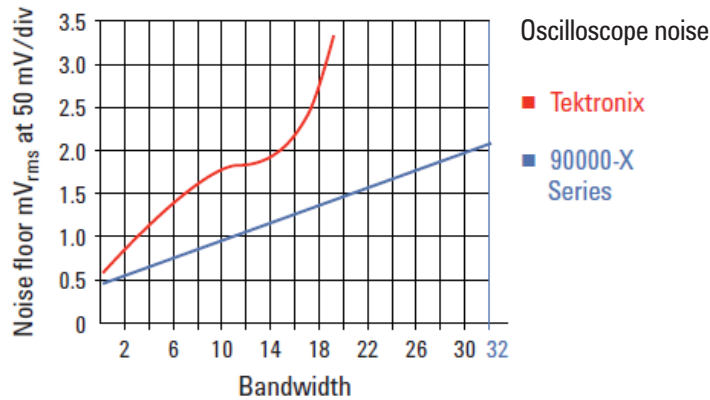
The 90000 X-Series now has a new user interface. It provides significantly more flexibility than any other oscilloscope user interface. The digital channels are now easier to use and can be saved as waveform memories to be used again later. The Tektronix 70000 Series oscilloscopes are unable to match the customization and measurement ability of our new user interface.



It provides the highest measurement accuracy

The 90000 X-Series provides true analog bandwidth from 13 GHz to 33 GHz, which gives you the following:

- The industry's lowest noise floor
- The industry's lowest jitter measurement floor
- The industry's flattest frequency response



Designed for efficient and comprehensive DDR memory system debug and characterization

The MSO 90000 X-Series oscilloscope is designed with special DDR triggering mode to enable quick and easy triggering of read and write command protocol with RAS, CAS, WE and CS buses.

The separated read and write data can then be used to perform real time data eye diagram.

The new DDR protocol software enables viewing of sequence of DDR command protocol to detect invalid protocol.



Setup command trigger with special DDR3 triggering mode.



Separated real time DDR write data eye diagram.

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