

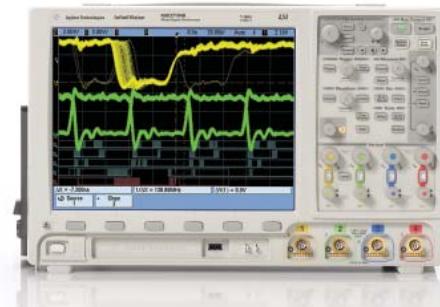
InfiniiVision scopes incorporate acquisition memory, waveform processing, and display memory in an advanced 0.13 μ ASIC.



This patented 3rd generation technology, known as MegaZoom III, delivers up to 100,000 waveforms (acquisitions) per second with responsive deep memory always available.

For debug and troubleshooting, a scope with an uncompromised fast update rate, deep memory and an integrated MSO, provides the power you need to get your designs right the first time.

Industry Comparison Guide: Agilent InfiniiVision 7000B Series versus Rohde & Schwarz RTM Oscilloscopes



Vs.

Rohde & Schwarz RTM

Agilent's new InfiniiVision 7000B Series oscilloscopes are engineered for the best signal visibility. The InfiniiVision 7000B offers: the industry's largest display (12.1"), fastest uncompromised update rate (100,000 waveforms per second), and the only integrated and upgradeable Mixed Signal Oscilloscope option, all in a small, portable form factor. With best in class application support, the InfiniiVision 7000B will speed your time to market.

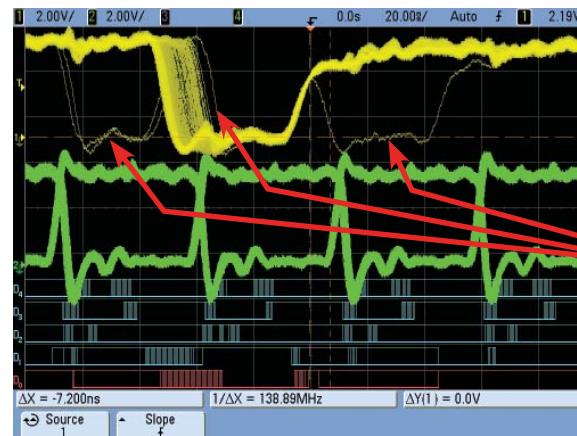
	Agilent DSO/MSO7000B	Rohde & Schwarz RTM1000
Bandwidth	100 MHz, 350 MHz, 500 MHz, 1 GHz	500MHz
Memory depth	Up to 8 M	Up to 8 M
Sample rate	Up to 4 GSa/s	Up to 5 GSa/s
Time capture at max SR	2 mS	1.6 mS
Update rate	100,000 wfms/s	10,000 wfms/sec
Integrated MSO	YES	NO
Upgradable MSO	YES	NO
Display	12.1 inch XGA LCD	8.4"



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Fastest uncompromised update rate:

- 100,000 waveforms/sec shows jitter, infrequent events and subtle signal detail that the RTM1000 misses
- 10x faster than the RTM1000
- 12.1" 1024x768 XGA resolution display provides excellent viewing area for analog, digital and serial information
- Over 200% larger than the RTM1000's 8.4" display



Agilent InfiniiVision 7000B clearly shows signal jitter and metastable state after just a couple seconds. The RTM1000 will miss infrequent events due to its slow re-arm time between triggers resulting in a much slower update rate than Agilent's InfiniiVision scopes.

Signal detail that is likely missed by the RTM1000 due to its slow update rate.

Agilent's InfiniiVision 7000B is supported by a breadth of probing not available from Rohde & Schwarz:

- Current probes: 6 models up to 500A
- Active differential probes: 6 models up to 500A
- Active differential probes: 3 models up to 1.5GHz
- High voltage differential probes: 2 models up to 1.4kV
- High voltage passive probes: 2 models up to 30kV



Agilent offers a full suite of probes from passive probes, to high voltage differential probes, to current probes to single-ended and differential active probes. The RTM's probing selection is limited to passive probes and single-ended active probes.

Agilent's InfiniiVision 7000B offers the broadest range of application support in its class:

- I²C, SPI, RS-232/UART, CAN, LIN, FlexRay, I²S, Mask testing, Segmented memory, Xilinx FPGA dynamic probe, Altera FPGA dynamic probe, MIL-STD-1553, Vector signal analysis, Offline analysis, Power analysis
- Hardware-accelerated decode provides responsive decode of serial buses without slowing down the oscilloscope and also increases probability of capturing infrequent communication errors.

	Agilent DSO/MSO7000B	Rohde & Schwarz RTM1000
Hardware accelerated serial decode	Yes ✓	No ✗
I ² C, SPI, RS232/UART, Mask	Yes ✓	Yes ✓
CAN/LIN, FlexRay, I ² S, MIL-STD-1553, Segmented	Yes ✓	No ✗
Altera/Xilinx FPGA dynamic probe	Yes ✓	No ✗
Power analysis	Yes ✓	No ✗
Vector Signal Analysis	Yes ✓	No ✗



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