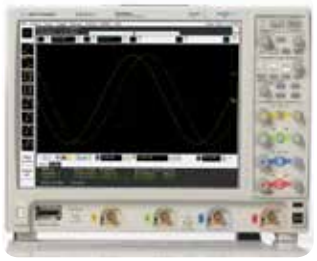
Competitive Comparison: Agilent 9000 H-Series vs. Rohde and Schwarz RTO Series

See Your Signals in HD - The high-definition 9000 H-Series oscilloscope offers up to 12 bits of resolution, which represents 4096 quantization levels, for precision signal viewing. The 9000 H-Series' combination of hypersampling and linear noise reduction technology achieves a noise level up to three times lower than traditional 8-bit oscilloscopes. It is specifically engineered to provide low noise and high-dynamic-range measurement capability in key applications such as medical, automotive, consumer devices, and power analysis.



See Your Signals in HD

- **Precision signal viewing**

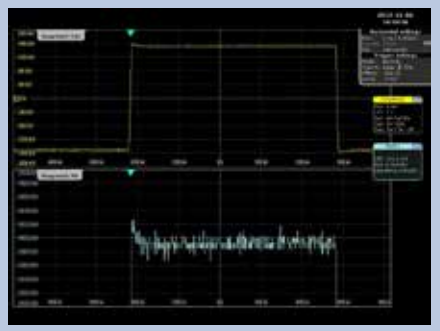
  Reveal hidden signal detail with 16X more resolution and up to 3X less noise.

- **Comprehensive measurement capability**

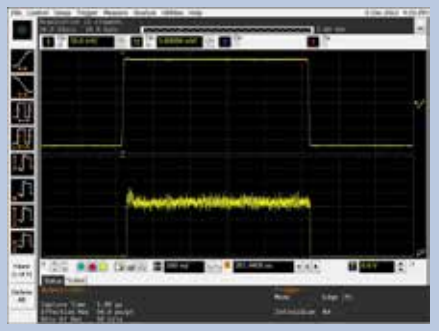
  Get optional digital channels, more than 20 applications, and ultrasensitive current probes for a complete oscilloscope solution.

	Agilent 9000 H-Series		R&S RTO Series	
Bandwidth	250 MHz, 500 MHz, 1 GHz, 2 GHz	√	600 MHz, 1 GHz, 2 GHz, 4 GHz	√
Bits of resolution	Up to 12 bits	√	8 bits	X
Max sample rate	Up to 10 GSa/s	√	10 GSa/s	√
Noise @ 100 mV/div @ 1 GHz	1.1 mV	√	1.65 mV	X
Std. Memory depth (4 ch)	50 M	√	20 M	X
Max memory depth (4 ch)	Up to 500 M	√	Up to 100 M	X
Display size	38.8 cm (15")	√	26.4 cm (10.4")	X
Update rate	1100 wfms/sec	X	1,000,000 wfms/sec	√
SSD	Available as option	√	Not available	X
Number of probes available	> 80	√	11	X
Number of protocol decodes	10	√	7	X
Number of compliance test applications	2	√	1	X
Number of baseline software packages	11	√	1	X

Example of Agilent 9000 H-Series and R&S RTO Series oscilloscopes zooming in on the top of a 100 mV square wave.



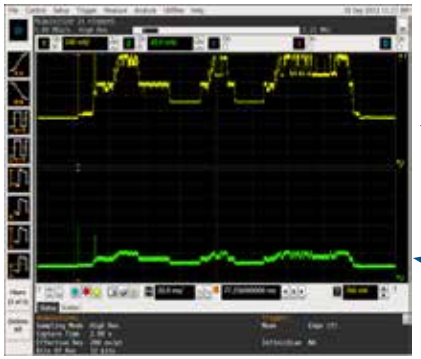
Rohde and Schwarz RTO Series



Agilent 12-bit 9000 H-Series

Complete probing solution

The 9000 H-Series high-definition oscilloscopes are ideal for making high-sensitivity current measurements. The N2820A/ N2821A current probes can measure currents as low as 50 µA and as high as 5 A via two-channel mode. When these probes are used with a 9000 H-Series oscilloscope, it gives you the ability to accurately measure total current consumption, which is the total area under the current curve.



Serial protocol trigger and decode

Serial protocol decode and trigger: Quickly move between physical and protocol layer information using the time-correlated tracking marker. Display protocol content using waveform symbols and the industry's first multi-tab protocol viewer. The packets tab shows a high-level view of the packet over time.

InfiniiView oscilloscope analysis software

With Agilent's InfiniiView oscilloscope analysis software, you can capture waveforms on your scope, save them to a file, and open the data record in Agilent's InfiniiView application. View, analyze, share, and document scope measurements anywhere your PC goes.

Three-Year Warranty

www.agilent.com/find/ThreeYearWarranty

www.agilent.com/find/9000H

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

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