WavePro HD vs Rohde & Schwarz RTO2000

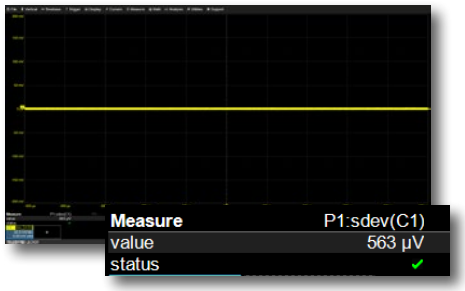
WavePro HD

8 GHz, 20 GS/s, 5 Gpts.
12 bits **all the time.**

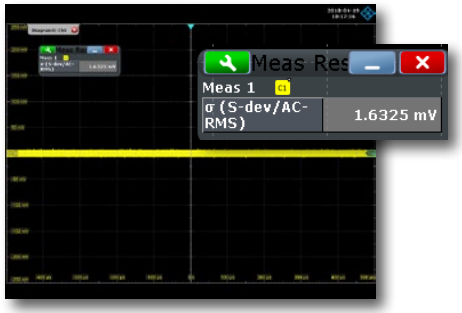
Capture Every Detail.

WavePro HD offers the industry's lowest noise, for the highest signal fidelity and most accurate measurements.

Baseline Noise	WavePro 404HD		RTO2044	
5 mV/div	✓	**228 µV**	X	**280 µV**
10 mV/div	✓	**228 µV**	X	**420 µV**
50 mV/div	✓	**633 µV**	X	**1800 µV**
100 mV/div	✓	**1.31 mV**	X	**3.6 mV**
1000 mV/div	✓	**9.17 mV**	X	**36 mV**



WavePro HD's HD4096 technology enables exceptionally low noise.

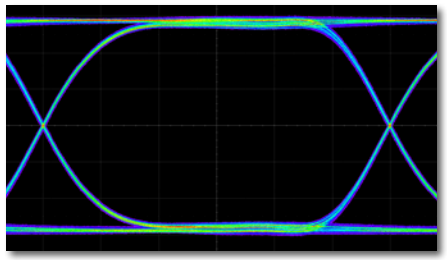


The RTO2000's 8-bit ADCs and higher noise mean lower signal fidelity.

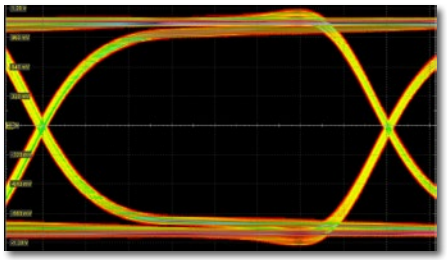
	WavePro HD	RTO2000 series
Maximum Bandwidth	8 GHz	6 GHz
Resolution	12 bits	8 bits
Maximum Sample Rate	20 GS/s	20 GS/s (≥ 4 GHz models)
Maximum Acquisition Memory	5 Gpts	2 Gpts
Display Size & Resolution	15.6" (1920 x 1080)	12.1" (1280 x 800)
Gain Accuracy	±(0.5%) of full scale	±(1.5%) of full scale

Cleaner Eye Diagrams

The WavePro HD generates an eye with less visible noise and jitter.



WavePro 404HD
Eye diagram: *1.25 Gbps PRBS signal*



Rohde & Schwarz RTO2044
Eye diagram: *1.25 Gbps PRBS signal*

WavePro HD vs Rohde & Schwarz RTO2000

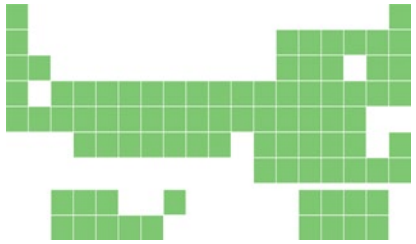
Powerful, Deep Toolbox

WavePro HD has the greatest breadth and depth of tools of any oscilloscope in its class, ensuring quick resolution of the most demanding debug tasks. Competitors offer much less capability.

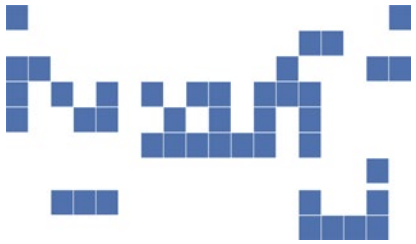
Use the comparisons on the far right to compare tool coverage between the oscilloscopes.

Learn more about our powerful, deep toolbox at **teledynelecroy.com/tools.**

WavePro HD



Rohde & Schwarz RTO2000



HD4096 Technology - 16x Closer to Perfect

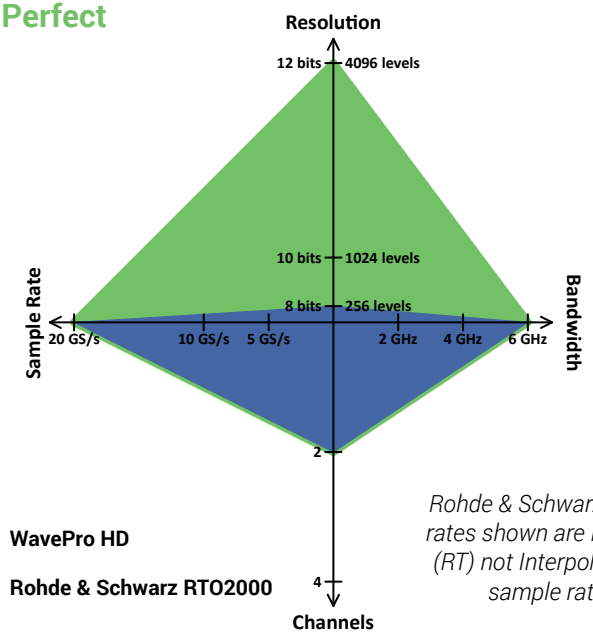
HD 4096

- 12-bit ADCs
- High SNR input amplifiers
- Low-noise system architecture

HD4096 technology provides superior and uncompromised measurement performance, with 12-bit resolution all the time.

Other high-resolution oscilloscopes make tradeoffs between resolution, sample rate and bandwidth.

teledynelecroy.com/hd4096



Rohde & Schwarz sample rates shown are Real-time (RT) not Interpolated (IT) sample rates.