RTB2000 Digital Oscilloscopes
Power of 10

The perfect choice for

R&D troubleshooting	Education
Production tests and repair	Electronic hobbyists

More signal details with the power of 10

What sets these scopes apart from all others in their class? New, advanced technology.
▮ 10-bit ADC – see small signal details in the presence of large signals
▮ 10 Msample acquisition memory depth on each channel (20 Msample when interleaved)
▮ Large 10.1" high-resolution capacitive touchscreen with gesture support

Key specifications

Bandwidth	70 MHz, 100 MHz, 200 MHz, 300 MHz
Channels	2 or 4 analog channels +16 digital channels (with MSO option)
Max. sample rate	2.5 Gsample/s (interleaved), 1.25 Gsample/s (all channels)
Memory	10 Msample, 20 Msample (interleaved)
Display	10.1" capacitive touch, 1280 x 800 resolution
ADC	10-bit
Boot time	10 seconds
Max. update rate	50,000 waveforms per second
Connectivity	LAN, USB host and device ports
Upgradable	bandwidth, protocol trigger and decode, MSO, pattern generator and arbitrary waveform generator
Warranty	standard 3-year

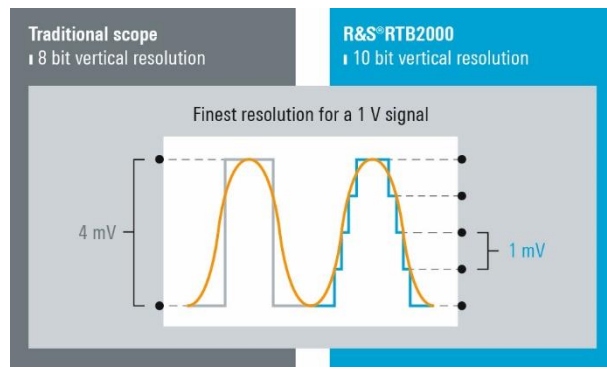| Your benefit	Features
See small signal detail in the presence of large signals	10-bit ADC, 1280 x 800 pixel display resolution
Capture more time at full bandwidth	2.5 Gsample/s max. sample rate with up to 20 Msample memory, 12 horizontal divisions
Easier to see and collaborate. Faster to operate and interpret results.	10.1" capacitive touchscreen with 1280 x 800 resolution, grid annotation, split dual window

ROHDE&SCHWARZ

10 to 100 times more memory depth compared to traditional oscilloscopes in the same instrument class

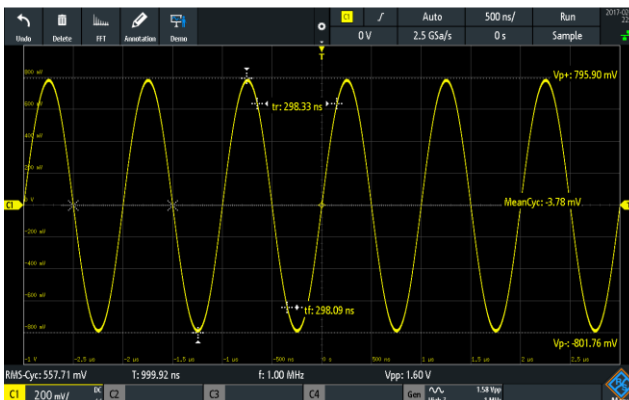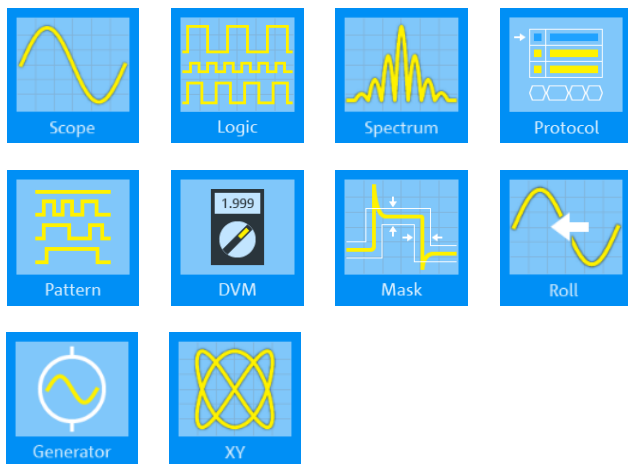**Capture the longest time periods with class-leading 160 Msample memory**

R&S®RTB2000 : 10 | 160

Comparable scopes : 1

- Standard memory
- Optional segmented memory

X-in-1 oscilloscope

- Scope
- Logic
- Spectrum
- Protocol
- Pattern
- DVM — 1.999
- Mask
- Roll
- Generator
- XY

10-bit A/D converter: uncovers even small signal details

Traditional scope	R&S®RTB2000
8 bit vertical resolution	10 bit vertical resolution

Finest resolution for a 1 V signal

4 mV

1 mV

QuickMeas: automatic measurement and graphical display at the push of a button.

Ordering information