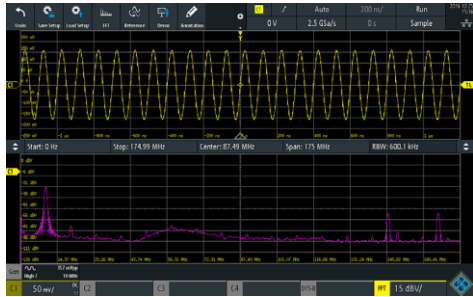


# R&S®RTB2000

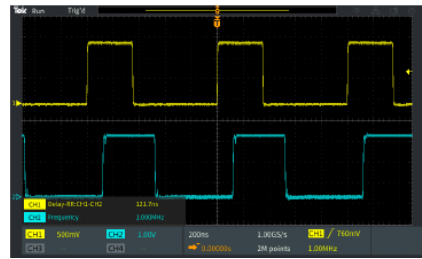
versus

# Tektronix TBS2000

The R&S®RTB2000 outperforms the Tektronix TBS2000 Series in major parameters with the power of 10.



R&S®RTB2000: 10.1" display, 1280 × 800 pixel resolution.



Tektronix TBS2000: 9" display, 800 x 480 pixel resolution

Your benefit	Features
10-bit ADC: four times more vertical resolution	The proprietary Rohde & Schwarz 10-bit ADC used in the R&S®RTB2000 allow four times more vertical resolution compared to standard 8-bit ADC in the Tektronix TBS2000. Finer voltage measurements become important as the voltage levels decrease.
10 Msample memory: capture longer periods	The responsive 160 Msample history memory per channel with quick zoom functions allow 8 times more acquisition time than the Tektronix TBS2000 at the same sample rate.
10.1" high-resolution capacitive touchscreen with gesture support	The capacitive touchscreen of the R&S®RTB2000 offers about three times more resolution than the display of the Tektronix TBS2000. Gesture support enables fastest setting times and short learning time.

► For more information, see [www.rohde-schwarz.com/product/RTB2000](http://www.rohde-schwarz.com/product/RTB2000)

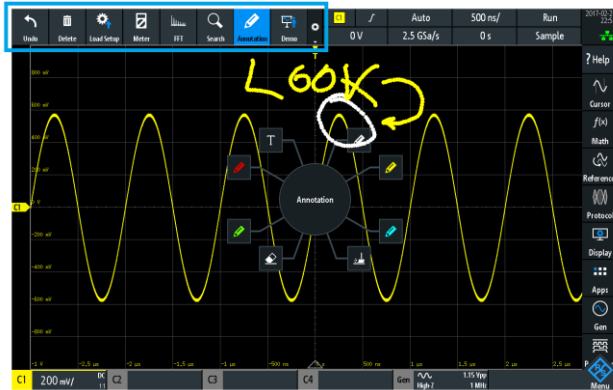


Parameter	R&S®RTB2000	Tektronix TBS2000
Channels	4/2 for all models	4/2 for all models
Bandwidth	70/100/200/300 MHz upgradeable	70/100 MHz
Min. V/div @ 1 MΩ	1 mV	2 mV
Max. sampling rate	2.5 Gsample/s	1 Gsample/s
ADC resolution	10-bit	8-bit
Memory depth	20 Msample	20 Msample
Waveform update rate	50 000 waveforms/s 300 000 waveforms/s in fast segmented memory mode	10 000 waveforms/s
MSO	R&S®RTB-B1 option, 1.25 Gsample/s, 16 digital channels, 10 Msample, upgradeable	-
Display	10.1", 1280 x 800 pixel	9", 800 x 480 pixel
Touchscreen operation	capacitive with gesture support	-
Boot time	10 s	30 s
Grid annotation	standard	-
Multifunction	DVM, counter	frequency counter
LAN interface	standard 10/100/1000BASE-T	standard 10/100BASE-T
Warranty	3 years	5 years
Size, W x H x D	390 x 220 x 152 mm	413 x 202 x 128 mm (4 ch), 372 x 175 x 103 mm (2 ch)
Weight	2.5 kg	4.2 kg (4 ch), 2.6 kg (2 ch)
Generator option	function and arbitrary, 4-bit pattern	-
History mode option	up to 160 Msample in 16 to 13000 segments	-
Serial decode options	I <sup>2</sup> C, SPI, UART/RS-232/422/485, CAN, LIN	-

## Innovative user interface, quick and easy to use

The R&S®RTB2000 user interface offers features not available on the Tektronix TBS2000 Series.

- Touchscreen with gesture support and on-screen annotation
- Mouse support
- Grid annotations for easy determination of vertical and horizontal values
- Pull up/down menu for optimized waveform viewing
- Quick measure button to immediately display nine automated measurements on the signal



Configurable toolbar (including undo and redo) for fast access to functions and quick finger annotation, allowing fast operation and documentation.

## Education mode

The R&S®RTB2000 gives accurate and fast results. With its modern multifunction capabilities, including a built-in generator, it is the perfect tool for education. For classroom training, the education mode deactivates comfort functions such as autoset, quick measure and automatic measurements.

## More investment protection

When it comes to investment protection, the R&S®RTB2000 is again class leading. Buy only what you need today and upgrade later as your needs grow. After-purchase upgrades are available for:

- Bandwidth up to 300 MHz
- Digital channels (mixed signal option)
- Serial triggering and decoding of I<sup>2</sup>C, SPI, UART/RS-232/422/485, CAN/LIN
- History mode with up to 160 Msample memory
- Function, arbitrary and pattern generator

## Advantage factors of R&S®RTB2000 versus Tektronix TBS2000 Series



**4x**  
More ADC resolution



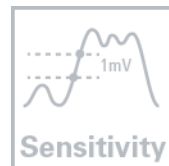
**1x**  
More memory



**1.12x**  
More display area



**2.5x**  
More sample rate



**2x**  
Lower sensitivity



**3x**  
Faster boot-up