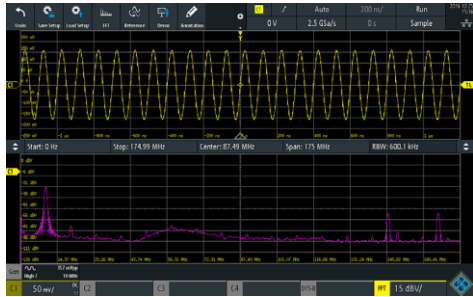


R&S®RTB2000

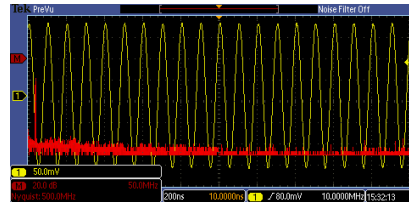
versus

Tektronix DPO/MSO2000B

The R&S®RTB2000 outperforms the Tektronix DPO/MSO2000B series in major parameters with the power of 10.



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



Tektronix DPO/MSO2000B: 7" display, 480 × 234 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 DPO2000B. Finer voltage measurements become important as the voltage levels decrease.
10 Msample memory: capture longer periods	The responsive 10 Msample memory per channel with quick zoom functions allows ten times more acquisition time than the Tektronix DPO2000B at the same sample rate.
10.1" high-resolution capacitive touchscreen with gesture support	The capacitive touchscreen of the R&S®RTB2000 offers twice the display area and about nine times more resolution than the display of the Tektronix DPO2000B. Gesture support enables fastest setting times and short learning time.

► For more information, see www.rohde-schwarz.com/product/RTB2000

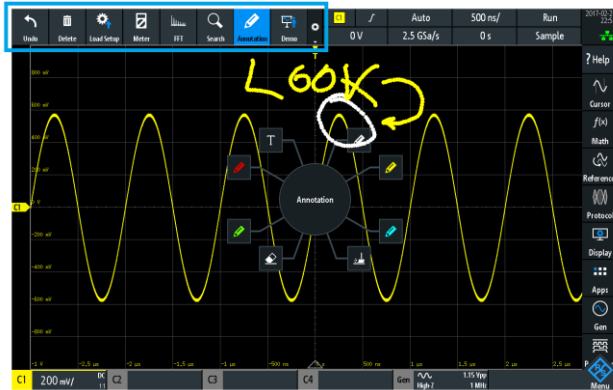


Parameter	R&S®RTB2000	Tektronix DPO/MSO2000B
Channels	4/2 for all models	4/2 for all models
Bandwidth	70/100/200/300 MHz upgradeable	70/100/200 MHz
Min. V/div at 1 MΩ	1 mV	2 mV
Max. sampling rate	2.5 Gsample/s	1 Gsample/s
ADC resolution	10 bit	8-bit
Memory depth	20 Msample	1 Msample
Waveform update rate	50 000 waveforms/s 300 000 waveforms/s in fast segmented memory mode	5 000 waveforms/s
MSO	R&S®RTB-B1 option, 1.25 Gsample/s, 16 digital channels, 10 Msample, upgradeable	MSO model 0.5 Gsample/s, 16 digital channels, 1 Msample
Display	10.1", 1280 × 800 pixel	7", 480 × 234 pixel
Touchscreen operation	capacitive with gesture support	–
Grid annotation	standard	–
Multifunction	DVM, counter	–
FFT	up to 128 ksample	up to 5 ksample
LAN interface	standard 10/100/1000BASE-T	option
Boot time	10 s	56 s
Warranty	3 years	5 years
Dimensions (W × H × D)	390 mm × 220 mm × 152 mm	377 mm × 180 mm × 134 mm
Weight	2.5 kg	3.6 kg
Generator option	function and arbitrary, 4-bit pattern	–
History mode option	up to 160 Msample in 16 to 13 000 segments	–
Serial decode options	I ² C, SPI, UART/RS-232/422/485, CAN, LIN	I ² 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 DPO2000B.

- 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 I²C, 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 DPO/MSO2000B



4x
More ADC resolution



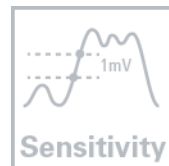
20x
More memory



1.4x
More display area



2.5x
More sample rate



2x
Lower sensitivity



5.6x
Faster boot-up