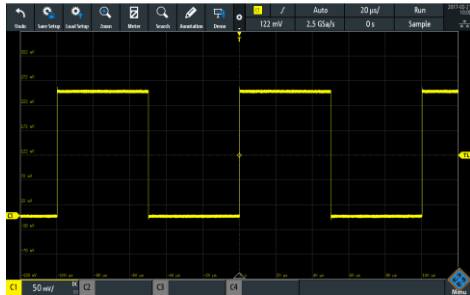


R&S®RTB2000

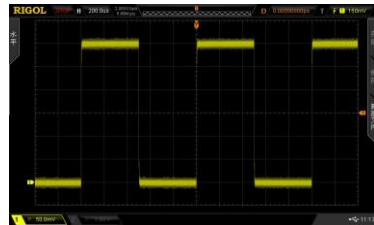
versus

Rigol MSO/DS2000A

The R&S®RTB2000 outperforms the Rigol MSO/DS 2000A Series in major parameters with the power of 10.



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



Rigol MSO/DS2000A: 8" 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 Rigol MSO/DS2000A. Finer voltage measurements become important as the voltage levels decrease.
10 Msample memory: capture longer periods	The responsive 10Msample memory per channel with quick zoom functions allow more acquisition time than the Rigol MSO/DS2000A at the same sample rate.
10.1" high-resolution capacitive touchscreen with gesture support	The capacitive touchscreen of the R&S®RTB2000 offers about 3 times more resolution than the display of the Rigol MSO/DS2000A Series. Gesture support enables fastest setting times and short learning time.

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



Parameter	R&S®RTB2000	Rigol MSO/DS2000A
Channels	4/2 for all models	2 for all models
Bandwidth	70/100/200/300 MHz upgradeable	70/100/200/300 MHz
Min. V/div @ 1 MΩ	1 mV	0.5 mV
Max. sampling rate	2.5 Gsample/s	2 Gsample/s
ADC resolution	10-bit	8-bit
Memory depth	20 Msample	14 Msample, 56 Msample optional
Waveform update rate	50 000 waveforms/s 300 000 waveforms/s in fast segmented memory mode	50 000 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, 14 Msample
Display	10.1", 1280 x 800 pixel	8", 800 x 480 pixel
Touchscreen operation	capacitive with gesture support	-
Boot time	10 s	21 s
Multifunction	DVM, counter	counter
LAN interface	standard 10/100/1000BASE-T	standard
Warranty	3 years	3 years
Size, W x H x D	390 x 220 x 152 mm	362 x 180 x 131 mm
Weight	2.5 kg	3.9 kg
Generator option	function and arbitrary, 4-bit pattern	function and arbitrary at specific models
History mode option	up to 160 Msample in 16 to 13000 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

Innovative user interface, quick and easy to use

The R&S®RTB2000 user interface offers features not available on the Rigol MSO/DS 2000A 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 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 Rigol MSO/DS 2000A Series



4x
More ADC resolution



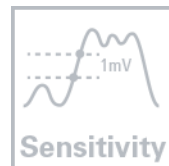
0.36x
More memory



1.26x
More display area



1.3x
More sample rate



0.5x
Lower sensitivity



2.1x
Faster boot-up