



R&S® RTB 2 SERIES OSCILLOSCOPE

Power of 10 for every task, everyday



The perfect choice for:

R&D troubleshooting

Education

Production tests and repair

Electronic hobbyists

Key specifications

Bandwidth	70/100/200/300 MHz
Channels	2 or 4 analog channels + 16 digital channels with MSO probe
Maximum sample rate	2.5 Gsample/s (interleaved); 1.25 Gsample/s (all channels)
Memory	10 Mpoints, 20 Mpoints (interleaved) 260 Mpoints in segmented/history mode
Display	10.1" capacitive touchscreen (1280 × 800 pixel)
ADC	10 bit
Boot time	10 s
Standard R&S®RTB 2 features	arbitrary waveform generator, 4-bit pattern generator, history/segmented mode.
Connectivity	LAN, USB host and device ports
Upgradeable	bandwidth, protocol trigger and decode, MSO
Warranty	3 years (standard)

More signal details with the power of 10

What sets these oscilloscopes 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 interleaved, 260 Mpoints segmented)
- ▶ Large 10.1" high-resolution capacitive touchscreen with gesture support

Your benefits

See small signal details in the presence of large signals
Capture more time at full bandwidth
Easier to see and collaborate.
Faster to operate and interpret results.

Features

10-bit ADC, 1280 × 800 pixel display resolution
2.5 Gsample/s max. sample rate with up to 20 Msample memory, 12 horizontal grid lines
10.1" capacitive touchscreen with 1280 × 800 resolution, grid annotation, split dual window

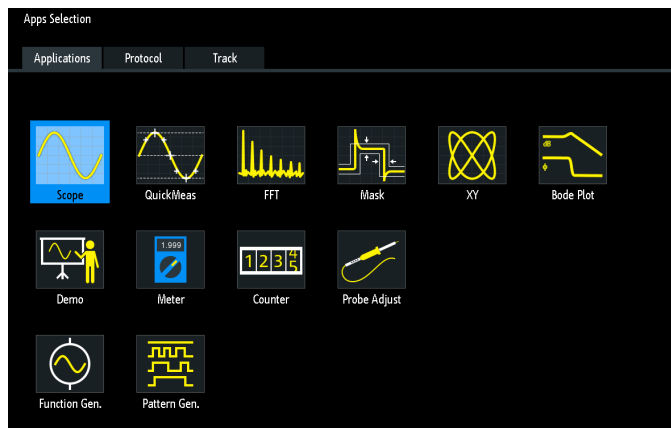
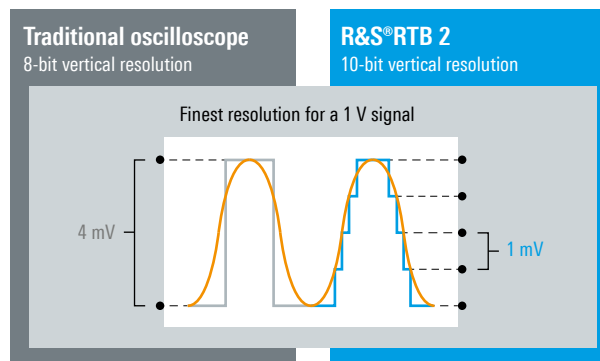


For options, prices and more information, visit
www.rohde-schwarz.com/product/RTB2

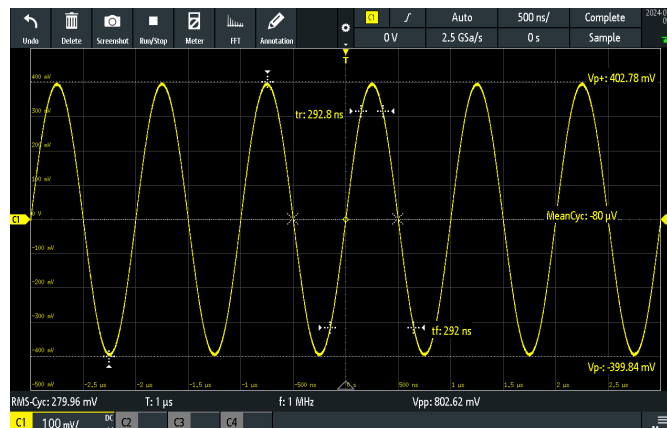
More memory depth compared to oscilloscopes from the two largest oscilloscope manufacturers

	Tektronix 2 Series MSO	Keysight 2000 X-Series	R&S®RTB 2 series
Standard memory	10 Mpoints	1 Mpoint	10 Mpoints
Segmented memory	10 Mpoints	1 Mpoint	260 Mpoints

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



10-in-1 oscilloscope



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

Ordering information	Type
Step 1: Choose your oscilloscope base model	
Oscilloscope, 2 channels	R&S®RTB22
Oscilloscope, 4 channels	R&S®RTB24
Base unit ¹⁾ , includes: R&S®RTB-B6 arbitrary waveform generator, R&S®RTB-K15 history and segmented memory Standard accessories: 300 MHz passive probe per channel, power cord, getting started manual and safety instructions	
Step 2: Choose your bandwidth option	
70 MHz bandwidth	standard for two-channel and four-channel models
100 MHz bandwidth	R&S®RTB-B221 for R&S®RTB22; R&S®RTB-B241 for R&S®RTB24
200 MHz bandwidth	R&S®RTB-B222 for R&S®RTB22; R&S®RTB-B242 for R&S®RTB24
300 MHz bandwidth	R&S®RTB-B223 for R&S®RTB22; R&S®RTB-B243 for R&S®RTB24
Step 3: Choose your options and accessories	
Software options	
Application bundle	R&S®RTB2-PK1 (R&S®RTB-K1, R&S®RTB-K2, R&S®RTB-K3, R&S®RTB-K36)
Hardware options	
MSO, set of 2 logic probes, 300 MHz (+ 16 digital channels)	R&S®RTB2-B1
Accessories	
Front cover	R&S®RTB-Z1
Soft bag	R&S®RTB-Z3
Transit case	R&S®RTB-Z4
Rackmount kit	R&S®ZZA-RTB2K

¹⁾ Oscilloscope is MSO-ready.

Rohde & Schwarz GmbH & Co. KG

www.rohde-schwarz.com | www.rohde-schwarz.com/support | www.training.rohde-schwarz.com

R&S® is a registered trademark of Rohde & Schwarz | Trade names are trademarks of the owners

R&S®RTB 2 Series Oscilloscope

PD 3673.1247.32 | Version 01.00 | November 2024 (sk)

Data without tolerance limits is not binding | Subject to change

© 2024 Rohde & Schwarz | 81671 Munich, Germany