#### **R&S®ESSENTIALS**

# R&S®RTB 2 SERIES OSCILLOSCOPE

Power of ten for every task, everyday



Product Brochure Version 01.01

ROHDE&SCHWARZ

Make ideas real







### POWER OF TEN FOR EVERY TASK, EVERYDAY

R&S®RTB 2 series oscilloscopes combine the power of ten with smart operating concepts to make them a perfect general-purpose tool for students, hobbyists, technicians and engineers. The R&S®RTB 2 series is the follow up to the high-performance R&S®RTB2000 oscilloscope. Try one in the lab and see the difference.

Power of ten:

- ▶ 10-bit ADC
- ≥ 10 Mpoints memory
- ➤ 10.1" capacitive touchscreen
- ▶ 10 s boot time
- ➤ 10-in-1 instruments





70/100/200/300 MHz bandwidth

Up to 2.5 Gsample/s sample rate

Up to 260 Mpoints in segmented mode

MSO-ready

# WHY ENGINEERS LOVE ROHDE & SCHWARZ OSCILLOSCOPES

- ► A trusted, global company with a long-standing commitment to customers, quality and continuous innovation
- ► The newest oscilloscope portfolio from 60 MHz to 16 GHz
- Superior intuitive user interface and front panel to increase productivity

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▶ Best-in-class time-domain and frequency-domain measurements

#### WHY THE R&S®RTB 2 SERIES

10-in-1 instrument: oscilloscope, protocol analyzer, logic analyzer, waveform and pattern generator, digital multimeter, frequency response analyzer, spectrum analyzer, counter and mask tester







# SEE SIGNAL DETAILS

#### IN THE PRESENCE OF LARGE SIGNALS

#### 10-bit vertical resolution

The R&S®RTB 2 includes a customized Rohde & Schwarz 10-bit A/D converter and is a four-fold improvement over conventional 8-bit A/D converters. The higher resolution generates sharper waveforms and reveals more details that would otherwise be missed.

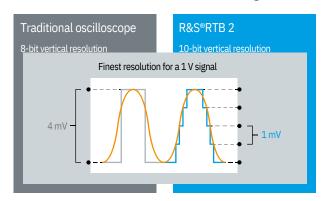
The R&S®RTB 2 oscilloscope incorporates low-noise frontends and state-of-the-art A/D converters. High-resolution mode further reduces noise by applying a filter across contiguous samples.

#### Low noise: full measurement bandwidth down to 1 mV/div

The R&S®RTB 2 oscilloscope has excellent sensitivity down to 1 mV/div. Traditional oscilloscopes can only have such input sensitivity with software based magnification or limiting bandwidth.

Need to see large signals? The variable gain amplifier accepts up to 5 V/div. Use a 10:1, 100:1 or even higher attenuation probe to safely measure larger signals.

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





The Rohde & Schwarz designed 10-bit A/D converter ensures highest signal fidelity at highest resolution



+33(0)2 99 14 69 65

## CAPTURE MORE TIME

#### **DEEP STANDARD MEMORY**

#### Deep memory as an insurance policy

Along with bandwidth and sample rates, memory depth is the most important factor when determining oscilloscope troubleshooting capacity. More acquisition memory lets oscilloscopes capture more time. More memory lets oscilloscopes retain the maximum sample rate and bandwidth even with slower timebase settings.

Time captured = (memory depth) / (sample rate)

#### Maintain fast sample rates with slow timebase settings

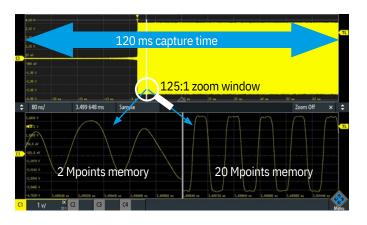
Ever adjusted your oscilloscope timebase to capture longer periods of time, pressed stop, then zoomed in to find the signal details are not quite right? This is the aliasing problem common to oscilloscopes with shallow memory capacity. The deep R&S®RTB 2 memory enables longer time captures at full sample rates.

#### Standard segmented memory

Use segmented memory to capture signals separated by inactivity. Examples include laser pulses, serial bus activity and RF pulses. R&S®RTB 2 series oscilloscopes have a segmented memory to capture signals over long observation periods of up to 13 000 segments and up to 260 Mpoints total (13 000 segments × 20 kpoints per segment).

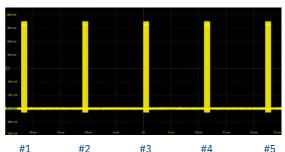
#### Standard history capability

Press stop and use the history mode to see previously captured acquisitions. All measurement and analysis tools are available in the history mode, including the serial bus decoding and automatic measurements. Turn on persistence to see a waveform overlay of all captured events. Turn on measurements with statistics to see measurement progression across the entire history.

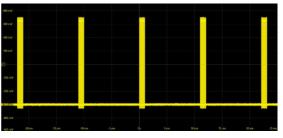


#### Traditional single-shot acquisition

Total acquisition time = memory depth/sample rate



Segment



Segmented memory acquisition

Acquisition time per segment = memory depth/# of segments





# FREQUENCY RESPONSE ANALYSIS

#### **CREATING BODE PLOTS**

#### Low-frequency response analysis

Use the R&S®RTB-K36 frequency response analysis option (Bode plot) for quick and easy low-frequency response analyses with your oscilloscope.

Characterize the frequency response for several electronic devices, including passive filters and amplifier circuits. The control loop response and power supply rejection ratio for switch mode power supplies can also be measured. The stimulus can be generated with a standard built-in waveform generator.

The frequency response analysis option turns on the integrated waveform generator to create stimulus signals ranging from 10 Hz to 25 MHz. Measuring the ratio of the stimulus signal to the DUT output signal at each test frequency, the oscilloscope also logarithmically plots gain and phase.

The R&S®RT-ZP1X 38 MHz bandwidth 1:1 passive probe reduces probe noise for the best signal-to-noise ratio (SNR) for weak signals.

#### Features and functions

Create up to 16 generator amplitude output level steps to optimize the SNR at different frequencies when measuring CLR and PSRR.

Define the number of points per decade to trade off measurement speed versus resolution.

The oscilloscope display shows analog waveforms and the resulting Bode plots in parallel.

The table of measurement results displays the gain and phase for each frequency tested. Analyze with markers and the result table. Save screenshots, result tables or both to a USB drive.

The R&S®RTB-K36 frequency response analysis (Bode plot) option characterizes the frequency response of a variety of electronic devices, including passive filters and amplifier circuits







# THE BEST CHOICE FOR EDUCATION

#### Ready for the teaching lab

Let students prepare for the working world with an oscilloscope used by companies in the industry. Use the password-protected education mode to disable automatic functions, such as autoset, so students can learn the fundamental concepts. On your PC, type in the IP address and use the built-in web server to easily show the oscilloscope display in a classroom or over a network.

#### X-in-1 integration saves space and money

The R&S®RTB 2 gives students and educators an oscilloscope plus logic and protocol analyzer, waveform and pattern generator, Bode analysis, digital voltmeter, spectrum analyzer and counter. The compact design, quiet operation and small footprint save precious bench space in the lab.

Perfect instruments for everyday educational with broad functionality, rugged design, quiet operation and small footprint



# **FUN TO DRIVE**

#### 15-MINUTE LEARNING CURVE, INTUITIVE NAVIGATION

#### Multilingual support: choose among thirteen languages

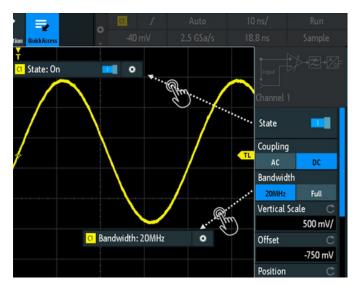
Choose from English, German, French, Spanish, Italian, Portuguese, Czech, Polish, Russian, simplified and traditional Chinese, Korean and Japanese.



Touch any signal icons to bring up a short menu of common settings.



Drag & drop key settings on the display for fast access without having to navigate in the menu.

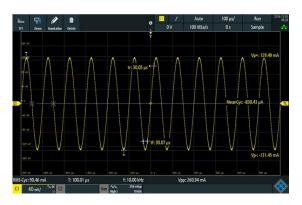


Add annotations to document screenshots including hand-drawn graphics.





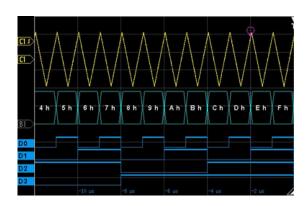
# X-IN-1 OSCILLOSCOPE



#### Oscilloscope

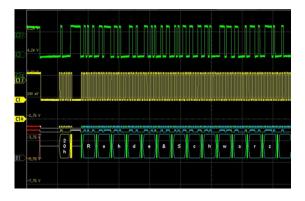
Get quick insight with the intuitive and powerful oscilloscope function. The superior sample rate, memory, depth and ADC resolution, make the R&S®RTB 2 oscilloscope a leader in its class.

Standard tools are included for quick results, such as QuickMeas, mask tests, FFT, math, cursors and automatic measurements, including statistics.



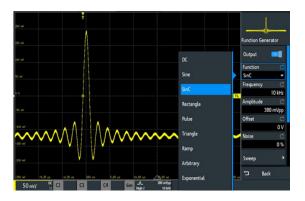
#### Logic analyzer

Every R&S®RTB 2 oscilloscope is MSO-ready and can connect two logic probes to turn every R&S®RTB 2 into an intuitive MSO with 16 additional digital channels. The oscilloscope captures and analyzes signals from analog and embedded digital design components – synchronously and time-correlated.



#### Serial bus protocol analyzer

Protocols such as Iĉ, SPI, UART/RS-232, CAN and LIN frequently transfer control messages between integrated circuits. The R&S®RTB 2 has versatile options for protocol-specific triggering and decoding of serial interfaces.

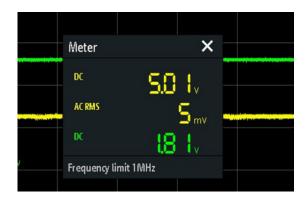


#### Waveform and pattern generator

Standard on all R&S®RTB 2 instruments, the integrated waveform (25 MHz) and pattern generator (up to 50 Mbit/s) provides circuit stimulus to emulate missing circuits. Or take advantage of educational opportunities for waveform and pattern generation. Waveforms and patterns can be imported as CSV files or copied from oscilloscope waveforms. Add noise to generated waveforms to simulate unfriendly environments. Predefined I2C, SPI, UART and CAN/LIN patterns are available for pattern generation. Select a pattern or enter patterns manually.

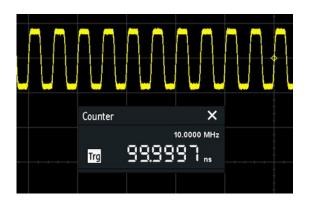






#### Digital voltmeter

The R&S®RTB 2 features a three-digit digital voltmeter (DVM). Choose from DC, AC + DC (RMS) and AC (RMS).



#### Counter

Use the standard integrated counter to measure frequencies, such as the trigger rate.



#### FFT (spectrum analyzer)

The FFT function on the R&S®RTB 2 is activated at the push of a button. Use it as a spectrum analyzer by entering center frequency and span. Autoset and cursor measurements can be used to measure the fast frequency-domain measurements.



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#### Mask test mode

Use mask tests to quickly reveal whether a specific signal is within defined tolerance limits. Mask testing provides statistical pass/fail evaluations. Quickly identify violations and gather pass/fail statistics. Each violation can generate a pulse output at the AUX-OUT connector.





## LAN AND USB CONNECTIVITY

#### USB and LAN I/O

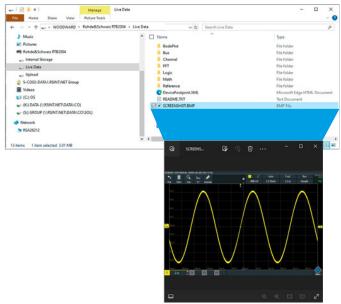
All R&S®RTB 2 oscilloscopes come with both LAN and USB type B ports located on the rear panel (see area outlined in blue in the photo) for versatile control and data management options. The USB type B port simplifies file sharing with the easy transfer of saved waveforms, screenshots and measurement data directly to a connected PC. The connection eliminates the need for additional software and makes it easier to work with captured data and have it readily available for analysis and documentation. The combination of USB and LAN I/O on the R&S®RTB 2 series is a powerful, flexible and user-friendly interface for both local and remote oscilloscope control.

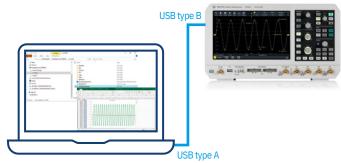


#### MTP connectivity

The R&S®RTB 2 oscilloscopes have seamless media transfer protocol (MTP) connectivity to PCs via the USB host port. File sharing and data management are exceptionally easy. Once connected, the oscilloscope appears on your PC as an additional drive, like a USB flash drive. This intuitive function lets users directly access files stored on an oscilloscope without additional drivers or complex setup procedures.

Transferring data is a simple drag & drop process with MTP. Screenshots can be quickly opened in popular applications such as PowerPoint or Word, streamlining report generation by eliminating the need to manually save and import images. Similarly, waveform data can be easily transferred into Excel or other data analysis tools for immediate processing and quick post-measurement analysis. Extra steps are eliminated and workflows sped up so that captured data is instantly ready for further use. The R&S®RTB 2 oscilloscope MTP function makes users much more efficient by simplifying the handling of measurement data and screenshots, The oscilloscope is vital tool for both quick documentation and in-depth analysis.





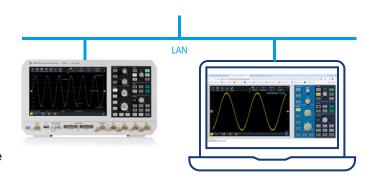




#### LAN connectivity

The R&S®RTB 2 oscilloscopes are engineered for a very efficient and user-friendly remote control experience through advanced LAN connectivity. By simply entering the IP address for an oscilloscope into any web browser, users can immediately access the complete instrument interface. Oscilloscope parameters can be adjusted and monitored in real time with a virtual front panel, effectively eliminating the need for physical interaction with the instrument. The virtual front panel is very useful in remote testing scenarios where physical access to the oscilloscope is limited or impractical.

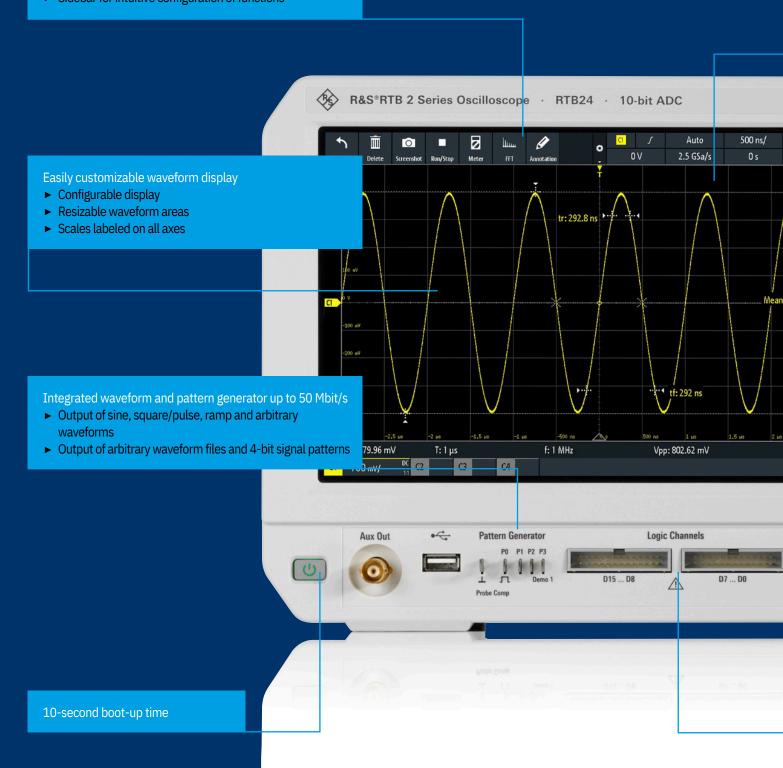
The LAN interface supports standard commands for programmable instruments (SCPI) for robust program control that integrates seamlessly with automated test setups. Using SCPI commands is critical for incorporating the oscilloscope into larger automated systems or when precise, remote instrument operation is required. The builtin web interface helps both with comprehensive controls but also simplifies data management. Users can capture screenshots and transfer measurement data directly to a PC without additional software or manual data entry. Streamlining data sharing and reporting enhances productivity and makes it easy to swiftly document and analyze results from a remote location. The combination of intuitive web based controls, versatile programming capabilities and efficient data entry with an LAN connection makes the R&S®RTB 2 series a powerful and adaptable solution for any laboratory.



# 10.1" HIGH-RESOLUTION CAPACITIVE TO

#### Quick access to important tools

- ► Drag & drop use of analysis tools
- ► Toolbar for access to functions
- ► Sidebar for intuitive configuration of functions







# JCHSCREEN WITH GESTURE SUPPORT

#### 10.1" high-resolution capacitive touchscreen with gesture support

- ► Gesture support for scaling and zooming
- ► More display area than similar oscilloscopes
- ► See a sharper image with more pixels: 1280 × 800 pixel resolution



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# OSCILLOSCOPE PORTFOLIO









		\$ 10 m 10 m	هُرِهُ هُرِهُ إِمْنِ السَّاسِةِ لِنَا اللهِ عَلَى اللهِ	· · · · · · · · · · · · · · · · · · ·
	R&S®RTH1000	R&S ®RTC1000	R&S®RTB 2	R&S®RTM3000
Vertical system				
Bandwidth 1)	60/100/200/350/500 MHz	50/70/100/200/300 MHz	70/100/200/300 MHz	100/200/350/500 MHz/1 GHz
Number of channels	2 plus DMM/4	2	2/4	2/4
Vertical resolution;	10 bit; 16 bit	0 hit. 16 hit	10 bit; 16 bit	
system architecture	10 bit; 16 bit	8 bit; 16 bit	TO DIT; 16 DIT	10 bit; 16 bit
V/div, 1 MΩ	2 mV to 100 V	1 mV to 10 V	1 mV to 5 V	500 μV to 10 V
V/div, 50 Ω	_			500 μV to 1 V
Digital channels Horizontal system	8	8	16	16
Tionzontal system				
Sampling rate per channel (in Gsample/s)	<ul><li>1.25 (4-channel model);</li><li>2.5 (2-channel model);</li><li>5 (all channels interleaved)</li></ul>	1; 2 (2 channels interleaved)	1.25; 2.5 (2 channels interleaved)	2.5; 5 (2 channels interleaved)
Maximum memory (per channel; 1 channel active)	125 kpoints (4-channel model); 250 kpoints (2-channel model); 500 kpoints	1 Mpoints; 2 Mpoints	10 Mpoints; 20 Mpoints	40 Mpoints; 80 Mpoints
Segmented memory	standard, 50 Mpoints	-	standard, 260 Mpoints	option, 400 Mpoints
Acquisition rate (in waveforms/s)	50 000	10 000	50 000 (300 000 in fast seg- mented memory mode)	64 000 (2 000 000 in fast segmented memory mode 2))
Trigger				
Types	digital	analog	analog	analog
Sensitivity	-	-	at 1 mV/div: > 2 div	at 1 mV/div: > 2 div
Analysis				
Mask test	tolerance mask	tolerance mask	tolerance mask	tolerance mask
Mathematics	elementary	elementary	basic (math on math)	basic (math on math)
Serial protocols triggering and decoding 1)	I2C, SPI, UART/RS-232/RS-422/ RS-485, CAN, LIN, CAN FD, SENT	I2C, SPI, UART/RS-232/RS-422/ RS-485, CAN, LIN	I2C, SPI, UART/RS-232/RS-422/ RS-485, CAN, LIN	I2C, SPI, UART/RS-232/RS-422/RS-485, CAN, LIN, I2S, MIL-STD-1553, ARINC 429
Applications <sup>1), 2)</sup>	high-resolution frequency counter, advanced spectrum analysis, harmonics analysis, user scripting	digital voltmeter (DVM), com- ponent tester, fast Fourier trans- form (FFT)	digital voltmeter (DVM), fast Fourier transform (FFT), frequency response analysis	power, digital voltmeter (DVM), spectrum analysis and spectrogram, frequency response analysis
Compliance testing 1), 2)	-	-	-	-
Display and operation				
Size and resolution	7" touchscreen, 800 × 480 pixel	6.5", 640 × 480 pixel	10.1" touchscreen, 1280 × 800 pixel	10.1" touchscreen, 1280 × 800 pixel
General data				
Dimensions in mm (W × H × D)	201 × 293 × 74	285 × 175 × 140	390 × 220 × 152	390 × 220 × 152
Weight in kg	2.4	1.7	2.5	3.3
Battery	lithium-ion, > 4 h	_	_	-

<sup>1)</sup> Upgradeable.





<sup>2)</sup> Requires an option.









M XO 4	M XO 5 / M XO 5 C	R&S®RTO6	R&S®RTP
200/350/500 MHz/1/1.5 GHz	100/200/350/500 MHz/1/2 GHz	600 MHz/1/2/3/4/6 GHz	4/6/8/13/16 GHz
4	4/8	4	4
12 bit; 18 bit	12 bit; 18 bit	8 bit; 16 bit	8 bit; 16 bit
500 μV to 10 V	500 μV to 10 V	1 mV to 10 V (HD mode: 500 μV to 10 V)	
500 μV to 1 V	500 μV to 1 V	1 mV to 1 V (HD mode: 500 μV to 1 V)	2 mV to 1 V (HD mode: 1 mV to 1 V)
16	16	16	16
2.5; 5 (2 channels interleaved)	5 on 4 channels; 2.5 on 8 channels (2 channels interleaved)	10; 20 (2 channels interleaved in 4 GHz and 6 GHz model)	20; 40 (2 channels interleaved)
standard: 400 Mpoints; max. upgrade: 800 Mpoints 2)	standard: 500 Mpoints max. upgrade: 1 Gpoints 2)	standard: 200 Mpoints/800 Mpoints; max. upgrade: 1 Gpoints/2 Gpoints	standard: 100 Mpoints/400 Mpoints; max. upgrade: 3 Gpoints
standard: 10 000 segments; option: 1 000 000 segments	standard: 10 000 segments; option: 1 000 000 segments	standard	standard
> 4 500 000	> 4 500 000 on 4 channels	1 000 000 (2 500 000 in ultra-segmented memory mode)	750 000 (> 3 000 000 in ultra-segmented memory mode)
advanced (includes zone trigger), digital trigger (15 trigger types)	advanced (includes zone trigger), digital trigger (15 trigger types)	advanced (includes zone trigger), digital trigger (15 trigger types), high speed serial pattern trigger including 5 Gbps clock data recovery (CDR) 2)	advanced (includes zone trigger), digital trigger (14 trigger types) with real-time deembedding 2), high speed serial pattern trig- ger including 8/16 Gbps clock data recovery (CDR) 2)
0.0001 div, across full bandwidth, user controllable	0.0001 div, across full bandwidth, user controllable	0.0001 div, across full bandwidth, user controllable	0.0001 div, across full bandwidth, user controllable
		user configurable, hardware based	user configurable, hardware based advance
advanced (formula editor)	advanced (formula editor)	advanced (formula editor, Python interface)	(formula editor, Python interface) I2C, SP.
I2C, SPI, UART/RS-232/RS-422/ RS-485, CAN, CAN FD, CAN XL, LIN, ARINC 429, MIL-STD-1553, SPMI, 10BASE-T1S, ARINC, QUAD-SPI	I2C, SPI, UART/RS-232/RS-422/ RS-485, CAN, CAN FD, CAN XL, LIN, ARINC 429, MIL-STD-1553, SPMI, 10BASE-T1S, 100BASE-T1, ARINC, QUAD-SPI	I2C, SPI, UART/RS-232/RS-422/RS-485, CAN, LIN, I2S, MIL-STD-1553, ARINC 429, FlexRay™, CAN FD, MIPI RFFE, USB 2.0/HSIC, MDIO, 8b10b, Ethernet, Manchester, NRZ, SENT, MIPI D-PHY, SpaceWire, MIPI M-PHY/UniPro, CXPI, USB 3.1 Gen 1, USB-SSIC, PCIe 1.1/2.0, USB Power Delivery, Automotive Ethernet 100/1000BASE-T1	UART/RS-232/RS-422/RS-485, SENT, CAN, LIN, CAN FD, MIL-STD-1553, ARIN 429, SpaceWire, USB 2.0/HSIC/PD, USB 3. Gen 1/Gen 2/SSIC, PCIe 1.1/2.0/3.0, 8b10t MIPI RFFE, MIPI D/M-PHY/UniPro, Automotiv Ethernet 100/1000BASE-T2 Ethernet 10/100BASE-TX, MDIO, Mancheste NRZ
power, digital voltmeter (DVM), frequency response analysis	power, digital voltmeter (DVM), frequency response analysis	power, advanced spectrum analysis and spectrogram, jitter and noise decomposition, clock data recovery (CDR), I/Q data and RF analysis (R&S®VSE), deembedding, embedding, equalization, PAM-N, TDR/TDT analysis, advanced eye diagram see specifications (PD 5216.1640.22)	advanced spectrum analysis and spectrogram, jitter and noise decomposition, real-time deembedding, embedding, equalization, PAM-N, TDR/TDT analysis, I/Q data and RF analysis (R&S®VSE), advanced eye diagram
-			see specifications (PD 3683.5616.22)
13.3" touchscreen,	for MXO 5 only: 15.6" touchscreen,	15.6" touchscreen,	13.3" touchscreen,
1920 × 1080 pixel (Full HD)	1920 × 1080 pixel (Full HD)	1920 × 1080 pixel (Full HD)	1920 × 1080 pixel (Full HD)
	MVO E. 44E v. 214 ··· 4E4		
414 × 279 × 162	MXO 5: 445 × 314 × 154 MXO 5C: 445 × 105 × 405	450 × 315 × 204	441 × 285 × 316
6	MXO 5: 9 MXO 5C: 8.7	10.7	18
-	-	-	-





# SPECIFICATIONS IN BRIEF

Vertical system   Ras*PTB22, Ras*PTB24					
Number of channels	Specifications in brief				
Bandwidth (~3 dib)   RaSFRTBB-22/2 (with RaSFRTB-B22/a Diptions)   Fig. 8 fr. 8 fr	Vertical system				
Bandwidth (~3 dB)  R8S*RTB-B2x2 and R8S*RTB-B2x3 options)  Fixe time (calculated)  70 MHz, 200 MHz, 200 MHz, 200 MHz, 200 MHz, 200 MHz  Input impodance Input sensitivity  max. bandwidth in all ranges  DC gain accuracy  offset and position = 0, maximum operating temperature change of ±5 °C after self-alignment input sensitivity ± 5 mW/div ± 1.5 % of full scale  ADC resolution  ADC resolution  ADC resolution  ACQuisition system  Maximum sampling rate  Acquisition memory  with segmented memory  with segmented memory  input sensitivity = 5 mW/div ± 1.5 % of full scale  10 bit, up to 16 bit with high resolution mode  Acquisition memory  10 Mpoints, 2.5 Gsample/s, 2.5 Gsample/s in interfeaved mode  max. 260 Mpoints  Tringes = 1 ns/div to 500 s/div  Tringesr types  Standard  Analysis and measurement functions  QuickMeas  Analysis and measurement functions  Analysis and measurement functions  QuickMeas  Analysis and measurement functions  Analysis and measurement functions  QuickMeas  Analysis and measurement functions  At the push of a button, measurement values are selected function function function function function function function funct	Number of channels				
Input impedance Input sensitivity Imput impedance Input sensitivity Imput sensitivity = 5 mV/div Imput sensitivity = 1.25 Gasample/s and sensitivity = 1 more sensitivity = 1	Bandwidth (–3 dB)				
Input sensitivity Input sensitivity Input sensitivity DC gain accuracy offset and position = 0, maximum operating temperature change of ±5 °C after self-alignment input sensitivity > 5 mV/div	Rise time (calculated)	70 MHz, 100 MHz, 200 MHz, 300 MHz	$1 \text{ M}\Omega \pm 2 \%$ with 9 pF $\pm 2$ pF (meas.)		
Offset and position = 0, maximum operating temperature change of ±5 °C after self-alignment input sensitivity > 5 mV/div ± 1.5 % of full scale input sensitivity > 5 mV/div ± 2.5 % of full scale input sensitivity > 5 mV/div ± 2.5 % of full scale and position system  ACQUISITION SAMPLING SAMP	Input impedance		1 mV/div to 5 V/div		
input sensitivity > 5 mV/div input sensitivity > 5 mV/div ± 2 % of full scale input sensitivity s 5 mV/div ± 2 % of full scale input sensitivity s 5 mV/div ± 2 % of full scale 10 bit, up to 16 bit with high resolution mode Acquisition system  Maximum sampling rate	Input sensitivity	max. bandwidth in all ranges			
ADC resolution   10 bit, up to 16 bit with high resolution mode Acquisition system   1.25 Gsample/s, 2.5 Gsample/s in interleaved mode   1.25 Gsample/s, 2.5 Mpoints in interleaved mode   1.25 Myoints	DC gain accuracy	offset and position = 0, maximum operating temperature change of ±5 °C after self-alignment			
ADD cresolution ADD cresolution ADD bit, up to 16 bit with high resolution mode ADQUISITION system    1,25 Gsample/s, 2.5 Gsample/s in interleaved mode   20 Mpoints, 20 Mpoints in interleaved mode   21 Mpoints, 20 Mpoints in interleaved mode   22 Mpoints		input sensitivity > 5 mV/div	± 1.5 % of full scale		
Acquisition system  Maximum sampling rate  Acquisition memory  with segmented memory  max. 260 Mpoints, 2.5 Gsample/s in interleaved mode max. 260 Mpoints, 20 Mpoints in interleaved mode max. 260 Mpoints  Horizontal system  Timebase range  1 ns/div to 500 s/div  Trigger system  Standard  PAL-M, SDTV 576i, HDTV 200p, HDTV 1080i, HDTV 1080i, pattern, runt, rise time, fall time serial bus, timeout, tine included with serial bus options  12c, SPT, UART/RS-232/RS-422/RS-425, CAN, PAL-M, SDTV 576i, HDTV 200p, HDTV 1080i, HDTV 1080i, pattern, runt, rise time, fall time serial bus, timeout, tine serial bus, time, serial bus, serial bus, serial		input sensitivity ≤ 5 mV/div	± 2 % of full scale		
Maximum sampling rate Acquisition memory with segmented memory with segmented memory with segmented memory with segmented memory max. 260 Mpoints in interleaved mode max. 260 Mpoints Tringer system Tringer system  Tringer types standard Tringer types standard Tringer types standard Tringer types standard Acquisition measurement functions QuickMeas at the push of a button, measurement values are continuously written onto the waveform period, frequency addition, subtraction, multiplication, division, F MSO option (R&S*RTB2-B1) Digital channels Acquisition memory Waveform generator Resolution, sample rate Acquisition memory Waveform generator Resolution, sample rate Amplitude Digital channels Digital channels Digital channels Digital channels Digital channels Acquisition memory Waveform generator Resolution, sample rate Acquisition memory Acquisition memory Waveform generator Resolution, sample rate Amplitude Digital channels Digi	ADC resolution		10 bit, up to 16 bit with high resolution mode		
Acquisition memory  with segmented memory  with segmented memory  max. 260 Mpoints, 20 Mpoints in interleaved mode max. 260 Mpoints  Timebase range Trigger system  acquick measurement functions  Quick Meas  at the push of a button, measurement values are continuously written onto the waveform  political channels  Maximum sample rate  Acquisition memory  Acquisitio	Acquisition system				
Acquisition memory with segmented memory with segmented memory max. 260 Mpoints, 20 Mpoints in interleaved mode max. 260 Mpoints  Tringer types Trigger system  Trigger types  standard Trigger types  standard  included with serial bus options included with serial bus options  at the push of a button, measurement values are continuously written onto the waveform  at the push of a button, measurement values are continuously written onto the waveform  waveform mathematics  ### Acquisition memory  ### Acquisi	Maximum sampling rate				
Horizontal system   Involve   Inv	Acquisition memory				
Horizontal system Timebase range Trigger system  **Trigger types**  **Standard** **Trigger types**  **Standard**  **Standard**  **Trigger types**  **Standard**  **Standard**  **PAL-M, SDTV 576i, HDTV 720p, HDTV 1080i, HDTV		with segmented memory			
Timebase range   1 ns/div to 500 s/div	Horizontal system				
Trigger types standard standard edge, width, video (PAL, NTSC, SECAM, PAL-M, SDTV 576i, HDTV 720p, HDTV 1080i, HDTV 1080p), pattern, runt, rise time, fall time serial bus, timeout, line included with serial bus options 12C, SPI, UART/RS-232/RS-422/RS-485, CAN/ Analysis and measurement functions  QuickMeas at the push of a button, measurement values are continuously written onto the waveform period, frequency addition, subtraction, multiplication, division, FMSO option (R&S*RTB2-B1)  Digital channels 6 6 (2 logic probes)  Maximum sample rate 9 1.25 Gsample/s  Acquisition memory 10 Msample  Waveform generator  Resolution, sample rate 14 bit, 250 Msample/s  Amplitude 16 high Z, 50 Ω high Z, 50 Ω sine 20 mV to 5 V (V pp), 10 mV to 2.5 V (V pp)  DC offset 9 pulse/rectangle ramp/triangle 2.25, V, ±1.25 V  Signal forms frequency ranges 10.1 Hz to 10 MHz  depth 0.1 Hz to 10 MHz  Arbitrary 6 max. 25 MHz  max. 25 MHz  max. 25 MHz  max. 10 Msample/s, 16 kpoints  General data  Screen 10.1* WXGA TFT color display (1280 × 800 pix US B) nost with MTP, USB device, LAN, web server for remote display and operation Audible noise 1 maximum sound level at a distance of 1.0 m (15.4 in × 8.66 in × 5.98 in)	•		1 ns/div to 500 s/div		
Standard Standard PAL, M, SDTV 5761, HDTV 720p, HDTV 1080i, HDTV	<u> </u>		1 115/ 411 13 333 3/ 411		
Analysis and measurement functions  QuickMeas  at the push of a button, measurement values are continuously written onto the waveform period, frequency addition, subtraction, multiplication, division, FMSO option (R&S*RTB2-B1)  Digital channels  Maximum sample rate  Acquisition memory  Resolution, sample rate  Amplitude  Digital forms frequency ranges  In the push of a button, measurement values are continuously written onto the waveform generator  Resolution, sample rate  Amplitude  Digital channels  Interfaces  Amplitude  Arbitrary  General data  Screen  Interfaces  Maximum sound level at a distance of 1.0 m  Dimensions  At the push of a button, measurement values are continuously written onto the waveform time, fall time, mean value, RMS value, rime, period, frequency addition, subtraction, multiplication, division, FMS value, time, period, frequency addition, subtraction, multiplication, division, FMS value, time, period, frequency addition, subtraction, multiplication, division, FMS value, time, period, frequency addition, subtraction, multiplication, division, FMS value, time, period, frequency addition, subtraction, multiplication, division, FMS value, time, period, frequency addition, subtraction, multiplication, division, FMS value, time, period, frequency addition, subtraction, multiplication, division, FMS value, time, period, frequency addition, subtraction, multiplication, division, FMS value, time, period, frequency addition, subtraction, multiplication, division, FMS value, time, period, frequency addition, subtraction, multiplication, division, FMS value, time, period, frequency addition, subtraction, multiplication, division, FMS value, time, period, frequency addition, subtraction, multiplication, division, FMS value, time, period, frequency addition, subtraction, addition, subtraction, multiplication, division, FMS value, time, period, frequency addition, subtraction, addition, subtraction, addition, subtraction, addition, subtraction, addition, subtraction, addition, subtraction, addition, s		standard	PAL-M, SDTV 576i, HDTV 720p, HDTV 1080i, HDTV 1080p), pattern, runt, rise time, fall time,		
QuickMeas       at the push of a button, measurement values are continuously written onto the waveform       peak-to-peak voltage, pos. peak, neg. peak, rist time, fall time, mean value, RMS value, time, period, frequency addition, subtraction, multiplication, division, FMSO option (R&S*RTB2-B1)         MSO option (R&S*RTB2-B1)       16 (2 logic probes)         Maximum sample rate       1.25 Gsample/s         Acquisition memory       10 Msample         Waveform generator       14 bit, 250 Msample/s         Resolution, sample rate       14 bit, 250 Msample/s         Amplitude       high Z, 50 Ω high Z, 50 Ω sine       20 mV to 5 V (V pp), 10 mV to 2.5 V (Vpp)         DC offset       pulse/rectangle ramp/triangle       ±2.5 V, ±1.25 V         Signal forms frequency ranges       noise sampling rate, memory       0.1 Hz to 25 MHz         depth       0.1 Hz to 10 MHz       0.1 Hz to 10 MHz         0.1 Hz to 1 MHz       max. 25 MHz         Arbitrary       max. 10 Msample/s, 16 kpoints         General data       USB host with MTP, USB device, LAN, web server for remote display and operation         Audible noise       maximum sound level at a distance of 1.0 m       28.3 dB(A)         Dimensions       W × H × D       390 mm × 220 mm × 152 mm         (15.4 in × 8.66 in × 5.98 in)		included with serial bus options	I2C, SPI, UART/RS-232/RS-422/RS-485, CAN/		
QuickMeas       at the push of a button, measurement values are continuously written onto the waveform       time, fall time, mean value, RMS value, time, period, frequency addition, subtraction, multiplication, division, FMSO option (R&S°RTB2-B1)         MSO option (R&S°RTB2-B1)       16 (2 logic probes)         Digital channels       16 (2 logic probes)         Maximum sample rate       1.25 Gsample/s         Acquisition memory       10 Msample         Waveform generator       20 mV to 5 V (V pp), 10 mV to 2.5 V (Vpp)         Resolution, sample rate       14 bit, 250 Msample/s         Amplitude       high Z, 50 Ω high Z, 50 Ω sine       20 mV to 5 V (V pp), 10 mV to 2.5 V (Vpp)         DC offset       pulse/rectangle ramp/triangle       ±2.5 V, ±1.25 V         Signal forms frequency ranges       noise sampling rate, memory       0.1 Hz to 25 MHz         depth       0.1 Hz to 10 MHz         O.1 Hz to 1 MHz       max. 25 MHz         Arbitrary       max. 10 Msample/s, 16 kpoints         General data         Screen       10.1" WXGA TFT color display (1280 × 800 pix         Interfaces       USB host with MTP, USB device, LAN, web server for remote display and operation         Audible noise       maximum sound level at a distance of 1.0 m       28.3 dB(A)         Dimensions       W × H × D       (15.4 in × 8.66 in × 5.98 in) <td>Analysis and measurement functions</td> <td></td> <td></td>	Analysis and measurement functions				
MSO option (R&S*RTB2-B1) Digital channels  16 (2 logic probes)  Maximum sample rate  1.25 Gsample/s  Acquisition memory  No Maximple  Maveform generator  Resolution, sample rate  Amplitude  In High Z, 50 Ω high Z, 50 Ω sine  In High Z, 50 Ω high Z, 50 Ω high Z, 50 Ω sine  In High Z, 50 Ω high Z	QuickMeas				
Digital channels  Maximum sample rate  Acquisition memory  Maxeform generator  Resolution, sample rate  Amplitude  Digital forms frequency ranges  noise sampling rate, memory  Mepth  Diffurity  Arbitrary  General data  Screen  Interfaces  Maximum sound level at a distance of 1.0 m  1.25 Gsample/s  1.25 Gsample/s  1.25 Msample  1.25 Msample/s  1.25 Msample/s  20 mV to 5 V (V pp), 10 mV to 2.5 V (Vpp)  Do Mr to 2.5 V (Vpp)  1.25 V  1.25 MHz  1.25	Waveform mathematics		addition, subtraction, multiplication, division, F		
Digital channels  Maximum sample rate  Acquisition memory  Maveform generator  Resolution, sample rate  Amplitude  Digital forms frequency ranges  Acquisition memory  Moveform generator  Resolution, sample rate  Amplitude  Digital channels  Amplitude  Amplitude  Amplitude  Digital channels  Digital channels  Amplitude  Digital channels  Di	MSO option (R&S®RTB2-B1)				
Acquisition memory Waveform generator  Resolution, sample rate  Amplitude DC offset DC offset Signal forms frequency ranges Interfaces  Arbitrary General data Screen  Audible noise  Dimensions  Acquisition memory  At bit, 250 Msample/s  14 bit, 250 Msample/s  20 mV to 5 V (V pp), 10 mV to 2.5 V (Vpp)  20 mV to 5 V (V pp), 10 mV to 2.5 V (Vpp)  20 mV to 5 V (V pp), 10 mV to 2.5 V (Vpp)  20 mV to 5 V (V pp), 10 mV to 2.5 V (Vpp)  20 mV to 5 V (V pp), 10 mV to 2.5 V (Vpp)  21 de pth 20 mV to 5 V (V pp), 10 mV to 2.5 V (Vpp)  21 de pth 21 de pth 22 de pth 23 de pth 24 de pth 25 ms. 10 Msample/s, 16 kpoints  26 max. 10 Msample/s, 16 kpoints  27 ms. 10 Msample/s, 16 kpoints  28 de pth 390 mm × 220 mm × 152 mm (15.4 in × 8.66 in × 5.98 in)	-		16 (2 logic probes)		
Waveform generator  Resolution, sample rate  Amplitude  high Z, 50 Ω high Z, 50 Ω sine  DC offset  pulse/rectangle ramp/triangle  ±2.5 V, ±1.25 V  Signal forms frequency ranges  noise sampling rate, memory  depth  0.1 Hz to 10 MHz  0.1 Hz to 1 MHz  max. 25 MHz  Arbitrary  General data  Screen  Interfaces  Audible noise  maximum sound level at a distance of 1.0 m  W × H × D   14 bit, 250 Msample/s  14 bit, 250 Msample/s  10 mV to 5 V (V pp), 10 mV to 2.5 V (Vpp)  20 mV to 5 V (V pp), 10 mV to 2.5 V (Vpp)  10 mV to 2.5 V (V	Maximum sample rate		1.25 Gsample/s		
Resolution, sample rate  Amplitude  high Z, 50 Ω high Z, 50 Ω sine  DC offset  pulse/rectangle ramp/triangle  ±2.5 V, ±1.25 V  Signal forms frequency ranges  noise sampling rate, memory  depth  0.1 Hz to 25 MHz  depth  0.1 Hz to 10 MHz  0.1 Hz to 1 MHz  max. 25 MHz  max. 25 MHz  Arbitrary  General data  Screen  10.1" WXGA TFT color display (1280 × 800 pix  USB host with MTP, USB device, LAN, web server for remote display and operation  Audible noise  maximum sound level at a distance of 1.0 m  Dimensions  W × H × D  10.4 bit, 250 Msample/s 20 mV to 5 V (V pp), 10 mV to 2.5 V (Vpp)  20 mV to 5 V (V pp), 10 mV to 2.5 V (Vpp)  21 mV to 2.5 V (Vpp)  22 mV to 5 V (V pp), 10 mV to 2.5 V (Vpp)  24 mV to 25 MHz  25 mV to 10 MHz  10.1" WXGA TFT color display (1280 × 800 pix  USB host with MTP, USB device, LAN, web server for remote display and operation  28.3 dB(A)  390 mm × 220 mm × 152 mm  (15.4 in × 8.66 in × 5.98 in)	Acquisition memory		10 Msample		
Amplitudehigh Z, 50 Ω high Z, 50 Ω sine20 mV to 5 V (V pp), 10 mV to 2.5 V (Vpp)DC offsetpulse/rectangle ramp/triangle±2.5 V, ±1.25 VSignal forms frequency rangesnoise sampling rate, memory0.1 Hz to 25 MHzdepth0.1 Hz to 10 MHz0.1 Hz to 1 MHzmax. 25 MHzArbitrarymax. 10 Msample/s, 16 kpointsGeneral dataScreen10.1" WXGA TFT color display (1280 × 800 pix USB host with MTP, USB device, LAN, web server for remote display and operationAudible noisemaximum sound level at a distance of 1.0 m28.3 dB(A) 390 mm × 220 mm × 152 mm (15.4 in × 8.66 in × 5.98 in)	Waveform generator				
DC offset  pulse/rectangle ramp/triangle  ±2.5 V, ±1.25 V  noise sampling rate, memory  depth  0.1 Hz to 10 MHz  0.1 Hz to 1 MHz  max. 25 MHz  max. 25 MHz  Arbitrary  General data  Screen  Interfaces  Multiplication  Interfaces  Audible noise  Dimensions  max. 25 MHz  max. 10 Msample/s, 16 kpoints  USB host with MTP, USB device, LAN, web server for remote display and operation  28.3 dB(A)  390 mm × 220 mm × 152 mm  (15.4 in × 8.66 in × 5.98 in)	Resolution, sample rate		14 bit, 250 Msample/s		
DC offset  Signal forms frequency ranges  noise sampling rate, memory  depth  0.1 Hz to 25 MHz  0.1 Hz to 10 MHz  0.1 Hz to 1 MHz  max. 25 MHz  Arbitrary  Arbitrary  General data  Screen  10.1" WXGA TFT color display (1280 × 800 pix  USB host with MTP, USB device, LAN, web server for remote display and operation  Audible noise  maximum sound level at a distance of 1.0 m  Dimensions  W × H × D  1.1 Hz to 1 MHz  max. 25 MHz  max. 10 Msample/s, 16 kpoints  USB host with MTP, USB device, LAN, web server for remote display and operation  28.3 dB(A)  390 mm × 220 mm × 152 mm  (15.4 in × 8.66 in × 5.98 in)	Amplitude	high Z, 50 $\Omega$ high Z, 50 $\Omega$ sine	20 mV to 5 V (V pp), 10 mV to 2.5 V (Vpp)		
Signal forms frequency ranges  noise sampling rate, memory  depth  0.1 Hz to 25 MHz  0.1 Hz to 10 MHz  0.1 Hz to 1 MHz  max. 25 MHz  max. 25 MHz  max. 10 Msample/s, 16 kpoints  General data  Screen  10.1" WXGA TFT color display (1280 × 800 pix  USB host with MTP, USB device, LAN, web server for remote display and operation  Audible noise  maximum sound level at a distance of 1.0 m  28.3 dB(A)  390 mm × 220 mm × 152 mm (15.4 in × 8.66 in × 5.98 in)	DC offset	pulse/rectangle ramp/triangle			
depth  0.1 Hz to 10 MHz  0.1 Hz to 1 MHz  max. 25 MHz  max. 25 MHz  max. 10 Msample/s, 16 kpoints  General data  Screen  10.1" WXGA TFT color display (1280 × 800 pix  USB host with MTP, USB device, LAN, web server for remote display and operation  Audible noise  maximum sound level at a distance of 1.0 m  28.3 dB(A)  390 mm × 220 mm × 152 mm  (15.4 in × 8.66 in × 5.98 in)	Signal forms frequency ranges	noise sampling rate, memory			
O.1 Hz to 1 MHz max. 25 MHz  Arbitrary  General data  Screen  Interfaces  Audible noise  maximum sound level at a distance of 1.0 m  Dimensions  O.1 Hz to 1 MHz max. 25 MHz  max. 10 Msample/s, 16 kpoints  10.1" WXGA TFT color display (1280 × 800 pix WSB host with MTP, USB device, LAN, web server for remote display and operation  28.3 dB(A)  390 mm × 220 mm × 152 mm (15.4 in × 8.66 in × 5.98 in)		depth			
max. 25 MHz  Arbitrary max. 10 Msample/s, 16 kpoints  General data  Screen 10.1" WXGA TFT color display (1280 × 800 pix USB host with MTP, USB device, LAN, web server for remote display and operation  Audible noise maximum sound level at a distance of 1.0 m 28.3 dB(A)  Dimensions W × H × D 390 mm × 220 mm × 152 mm (15.4 in × 8.66 in × 5.98 in)					
General data  Screen  10.1" WXGA TFT color display (1280 × 800 pix USB host with MTP, USB device, LAN, web server for remote display and operation  Audible noise  maximum sound level at a distance of 1.0 m  28.3 dB(A)  390 mm × 220 mm × 152 mm (15.4 in × 8.66 in × 5.98 in)					
Screen  10.1" WXGA TFT color display (1280 × 800 pix USB host with MTP, USB device, LAN, web server for remote display and operation  Audible noise  maximum sound level at a distance of 1.0 m  28.3 dB(A)  390 mm × 220 mm × 152 mm (15.4 in × 8.66 in × 5.98 in)	-				
USB host with MTP, USB device, LAN, web server for remote display and operation  Audible noise maximum sound level at a distance of 1.0 m  Dimensions W × H × D  USB host with MTP, USB device, LAN, web server for remote display and operation  28.3 dB(A)  390 mm × 220 mm × 152 mm  (15.4 in × 8.66 in × 5.98 in)			10.1" MVCA TET polar display (1990 y 900 min		
Audible noise maximum sound level at a distance of 1.0 m  Dimensions W × H × D  maximum sound level at a distance of 1.0 m  W × H × D  web server for remote display and operation  28.3 dB(A)  390 mm × 220 mm × 152 mm  (15.4 in × 8.66 in × 5.98 in)					
Dimensions			web server for remote display and operation		
Dimensions $W \times H \times D$ (15.4 in $\times$ 8.66 in $\times$ 5.98 in)	Audible noise	maximum sound level at a distance of 1.0 m			
Weight 2.5 kg (5.5 lb)	Dimensions	$W \times H \times D$			
	Weight		2.5 kg (5.5 lb)		

► For more information, see the R&S®RTB 2 specification document (PD 3673.0734.22) available under www.rohde-schwarz.com.





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<sup>&</sup>lt;sup>1)</sup> For extended periods, contact your Rohde & Schwarz sales office. On-site services available on request.

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# ORDERING INFORMATION

Choose 2-channel or 4-channel instrument

The base model is MSO-ready with 70 MHz bandwidth and the R&S®RTB-B6 arbitrary waveform generator, the R&S®RTB-K15 history and segmented memory option and power cord.

2 Add additional bandwidth

70 MHz (included in base model) \$\frac{1}{2}00 MHz 200 MHz 300 MHz

.

3 Add desired applications/options

Options and applications can be purchased individually or as a bundle.

#### R&S®RTB2-PK1 bundle

Includes I2C, SPI, UART, RS-232, CAN and LIN serial triggering and decoding and R&S®RTB-K36 frequency response analysis (Bode plot) option

#### Choose from the oscilloscope probes

Each R&S®RTB 2 comes standard with one R&S®RT-ZP03S passive probe per channel. The instrument is compatible with other Rohde & Schwarz and third-party probes that connect to a BNC interface.

#### Add logic probes (MSO)

R&S®RTB 2 is MSO-ready, which makes mixed signal capability a standard functionality of the oscilloscope. Just add R&S®RTB2-B1 option (two logic probes (MSO)) to use up to 16 digital channels.

# 4-channel model Victorial Control of the Control o

2-channel model





For more information, see the product brochure: Probes and accessories for Rohde & Schwarz oscilloscopes (PD 3606.8866.12).





Designation	Туре	Order No.
Choose your oscilloscope base model		
Oscilloscope, 70 MHz, 2 channels	R&S®RTB2	1333.1005.0
Oscilloscope, 70 MHz, 4 channels	2	2
Base unit 1), includes: R&S®RTB-B6 arbitrary waveform generator, R Standard accessories: 300 MHz passive probe per channel, power co Choose your bandwidth upgrade		
Upgrade of R&S®RTB22 oscilloscopes to 100 MHz bandwidth	R&S®RTB-	1333.1163.0
Upgrade of R&S®RTB22 oscilloscopes to 200 MHz bandwidth	B221	2
Upgrade of R&S®RTB22 oscilloscopes to 300 MHz bandwidth	R&S®RTB-	1333.1170.0
Upgrade of R&S®RTB24 oscilloscopes to 100 MHz bandwidth	B222	2
Upgrade of R&S®RTB24 oscilloscopes to 200 MHz bandwidth	R&S®RTB-	1333.1186.0
Upgrade of R&S®RTB24 oscilloscopes to 300 MHz bandwidth	B223	2
Choose your options	R&S®RTB-	1333.1257.0
MSO, set of 2 logic probes, 300 MHz (+ 16 digital channels)	B&\$1RTB2-B1	<b>2</b> 801.8421.02 part of
I2C/SPI serial triggering and decoding	R&S®RTB-K1	<b>R&amp;33RIZE2-D</b> K1 part
UART/RS-232/RS-422/RS-485 serial triggering and decoding	<b>B&amp;\$</b> 2RTB-K2	@f R&S®RTB2-PK1
CAN/LIN serial triggering and decoding	R&S®RTB-K3	1)363.1570R%S®RTB2-
Frequency response analysis (Bode plot)	<b>B&amp;\$</b> 3RTB-K36	<b>P</b> K1 part of
Application bundle, consists of the following options: R&S®RTB-K1, R&S®RTB-K2, R&S®RTB-K3, R&S®RTB-K36	R&S®RTB2-	R&S®RTB2-PK1
Choose your additional probes	PK1	1801.8438.02
Single-ended passive probes		
300 MHz, 10:1, 10 M $\Omega$ , 400 V, 12 pF 500	R&S®RT-	1803.1001.0
MHz, 10 M $\Omega$ , 10:1, 300 V, 10 pF, 5 mm 500	ZP03S	2
MHz, 10 M $\Omega$ , 10:1, 400 V, 9.5 pF 38 MHz, 1	R&S®RT-	1333.2401.0
MΩ, 1:1, 55 V, 39 pF	ZP05S	2
High voltage single-ended passive probes	R&S®RT-ZP10	1409.7550.0
250 MHz, 100:1, 100 MΩ, 850 V, 6.5 pF	R&S®RT-ZP1X	<b>Q</b> 333.0873.0
400 MHz, 100:1, 50 M $\Omega$ , 1000 V, 7.5 pF	ZH03	<b>2</b> 333.1370.0
High voltage probes: passive	R&S®RT-	<b>2</b> 409.7720.0
400 MHz, 1000:1, 50 MΩ, 1000 V, 7.5 pF	RASORT-ZH11	<b>2</b> 409.7737.02
Surral, prale, Bc, 10 A/1000 A	R&S®RT-	1333.0850.0
100 kHz, AC/DC, 30 A 10 MHz,	ZC02	2
AC/DC, 150 A 100 MHz, AC/DC,	R&S®RT-	1333.0844.0
30 A 120 MHz, AC/DC, 5 A	ZC03	2
Power supply for current probes	R&S®RT-	1409.7750.0
Logic probe (MSO)	ZC10	2
	R&S®RT-	1409.7766.0
Active 8-channel logic probe	<b>R&amp;20</b> RT-ZL03	<b>2</b> 333.0715.02
Probe accessories	R&S®RT-	1409.7772.0
50 $\Omega$ feedthrough termination	<b>E&amp;3</b> 0HZ22	<b>2</b> 594.4015.0
Probe pouch	R&S®RT-ZA19	<b>2</b> 409.7789.0
·	ZA13	<b>2</b> 335.7875.0
Choose your accessories Front cover	R&S®RTB-Z1	<b>2</b> 333.1728.0
Soft bag	R&S®RTB-Z3	2
Transit case	R&S®RTB-Z4	1333.1734.0
Rackmount kit	R&S®ZZA-	2
<sup>1)</sup> Oscilloscope is MSO-ready.	RTB2K	1335.9290.0 2 1333.1711.0
		2





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