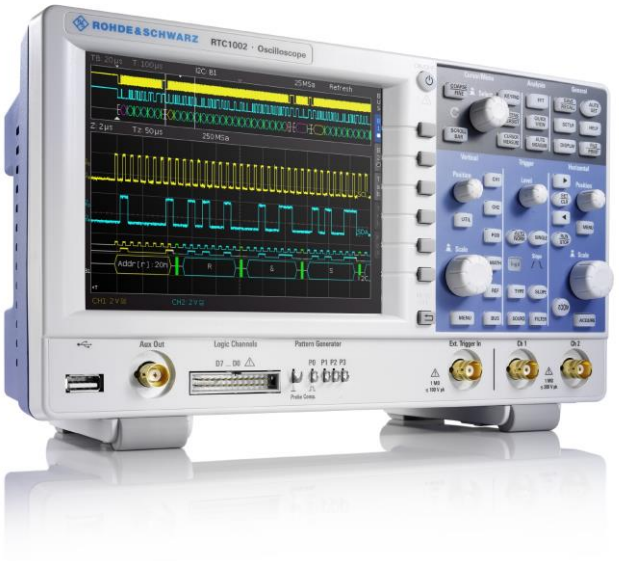
R&S®RTC1000 Oscilloscopes

Great value



The perfect choice for

Education	R&D troubleshooting
Electronics hobbyists	Production tests and repair

Get your results quicker

What sets these scopes apart from all others in their class? New, advanced technology.

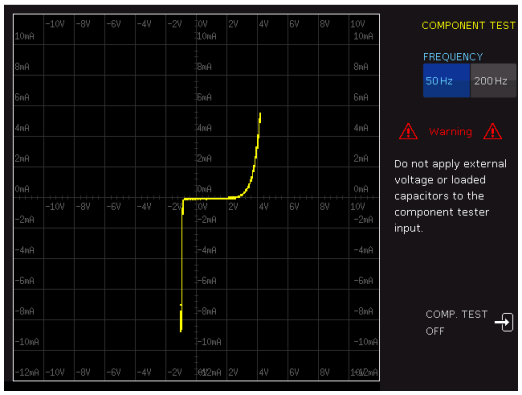
- Low-noise frontend for best results
- X-in-1 instrument that offers the functionality of an oscilloscope, logic analyzer, protocol analyzer, frequency analyzer, pattern generator, function generator, digital voltmeter and component tester

Key specifications	
Bandwidth	50 MHz, 70 MHz, 100 MHz, 200 MHz, 300 MHz
Channels	2 analog channels + 8 digital channels (with MSO option)
Max. sampling rate	2 Gsample/s (interleaved)
Memory	2 Msample
Display	6.5" capacitive touch 640 x 480 resolution
Boot time	7 seconds
Max. update rate	10 000 waveforms per second
Connectivity	LAN, USB host and device ports
Upgradable	bandwidth, protocol trigger and decode, MSO, pattern generator and arbitrary waveform generator
Warranty	standard 3-year

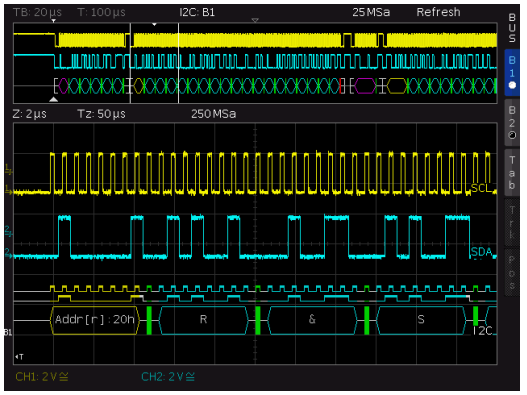
Your benefit	Features
Get your results faster	Fast boot time and auto measurement for concise and comprehensive results
Investment protection	Can be scaled to fit your needs with software licenses
Compactness saves desk space	Highest integration in a small form factor

▷ For more information, visit
www.rohde-schwarz.com/catalog/RTC1000

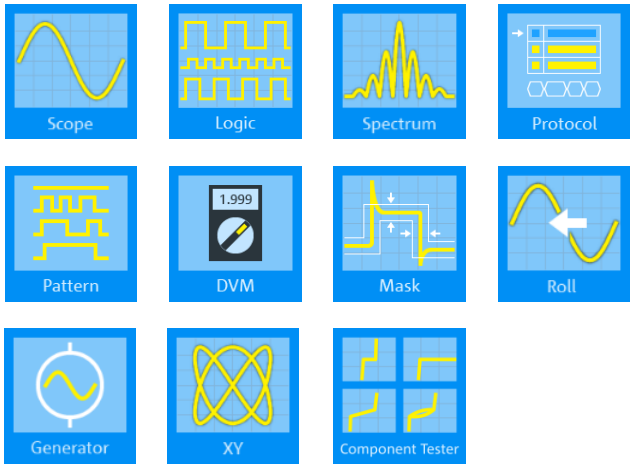
Quickly asses your components with the integrated tester

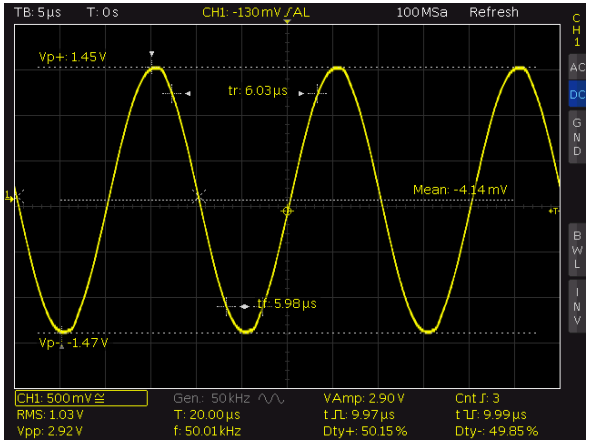


Gather insight into the digital communications on your circuitry



X-in-1 oscilloscope





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

Ordering information

Step 1: Choose your oscilloscope model

Two-channel model: R&S®RTC1002

Included: All models include an R&S®RT-ZP03 single-ended passive probe for each channel, power cord and 3-year warranty.

Step 2: Choose your bandwidth option

50 MHz bandwidth	standard
70 MHz bandwidth	R&S®RTC-B220
100 MHz bandwidth	R&S®RTC-B221
200 MHz bandwidth	R&S®RTC-B222
300 MHz bandwidth	R&S®RTC-B223

Step 3: Choose your options and accessories

Software options	
Triggering and decoding	R&S®RTC-K1 I²C/SPI R&S®RTC-K2 UART/RS-232/422/485 R&S®RTC-K3 CAN/LIN
Application bundle	R&S®RTC-PK1 (includes R&S®RTC-K1, -K2, -K3, -K15, -B6)
Hardware options	
R&S®RTC-B1 mixed signal upgrade for non-MSO models, 250 MHz	
R&S®RTC-B6 arbitrary waveform generator	
Accessories	
R&S®RTC-Z1 plastic front cover	
R&S®RTC-Z3 soft carrying bag	
R&S®ZZA-RTC1K rackmount kit	

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