

# R&S® RTC1000 Oscilloscopes

## Great value



### The perfect choice for

Education

R&D troubleshooting

Electronics hobbyists

Production tests and repair

### 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<br>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   |

### 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

### Your benefit

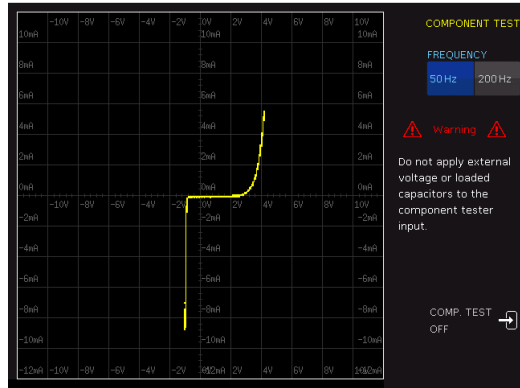
Get your results faster  
Investment protection  
Compactness saves desk space

### Features

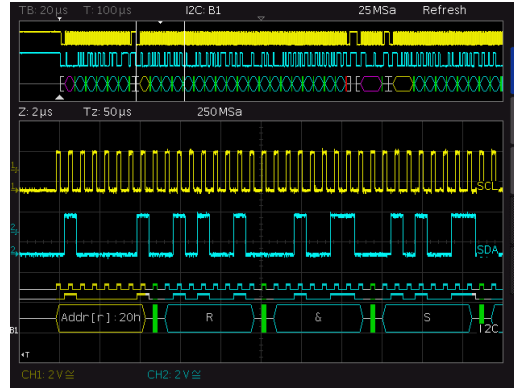
Fast boot time and auto measurement for concise and comprehensive results  
Can be scaled to fit your needs with software licenses  
Highest integration in a small form factor

► For more information, visit  
[www.rohde-schwarz.com/catalog/RTC1000](http://www.rohde-schwarz.com/catalog/RTC1000)

## Quickly assess your components with the integrated tester



## Gather insight into the digital communications on your circuitry



## Ordering information

### Step 1: Choose your oscilloscope model

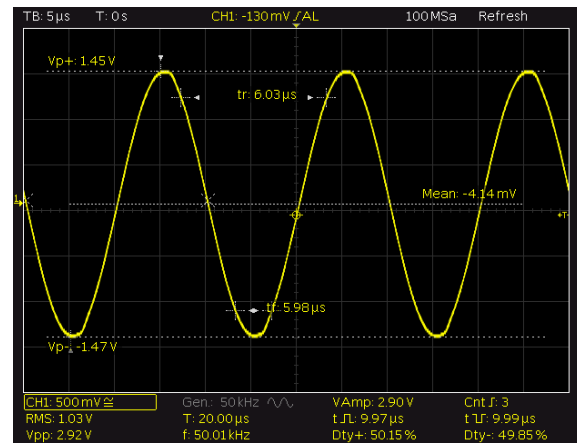
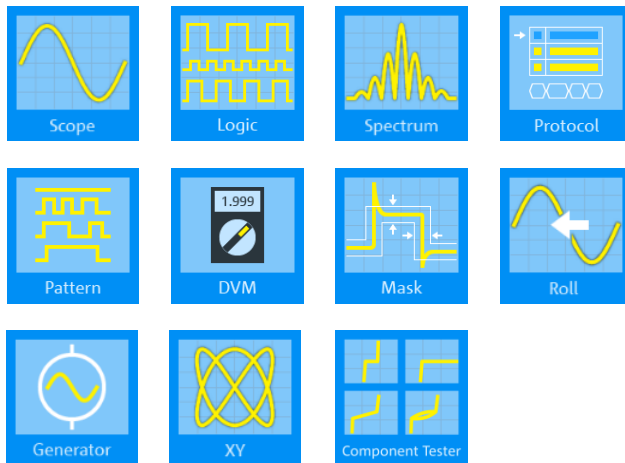
Two-channel model: R&S®RTC1002

**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 |

## X-in-1 oscilloscope



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

### Step 3: Choose your options and accessories

#### Software options

|                         |  |
|-------------------------|--|
| Triggering and decoding | R&S®RTC-K1 I2C/SPI<br>R&S®RTC-K2 UART/RS-232/422/485<br>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

Rohde & Schwarz Representative