

EVERYTHING YOU NEED. AND MORE.

Introducing
complete solutions
for one price.

Prepare for the
future now, before
your requirements
change.



ROHDE & SCHWARZ

Make ideas real



Invest in Rohde & Schwarz

Benefit from Rohde & Schwarz' quality and German engineering while having all the bandwidth, channels, memory, spectrum measurements and signal generation you need at your fingertips. For a limited time Rohde & Schwarz is offering a selection of entry-level instruments, fully equipped with all options at an unrivaled package price.

All Upgrades Up Front

Adding keycodes or further options to your instrument can be expensive and time consuming. Your engineering requirements change so why not future-proof your investment from the start. Now you can fully load your instrument at the point of purchase.

Lower pricing

Better value and easier for you. For a limited time only you can save as much as €17.000 on these attractively priced, bundled packages. A single purchase and ultimately a lower price.

Build your Bench

Maximize your bench's performance for every day applications like EMI debug, power integrity, battery testing, channel power and low speed serial with the following instruments:

Oscilloscopes

- ✂ Performance: Bandwidths up to 2 GHz
- ✂ Channels: Up to 4 analog/16 digital (MSO)
- ✂ Up to 10.1" WXGA Touchscreen Display
- ✂ Sample Rate: Up to 5 Gsample/s
- ✂ Memory: Up to 1 Gsample segmented memory
- ✂ Up to 10-bit ADC

(Handheld) Spectrum and Cable & Antenna Analyzers

- ✂ Frequency Range: 5 kHz to 4 GHz
- ✂ DANL: < -165 dBm typ.
- ✂ Phase Noise (f = 500 MHz, 100 kHz offset): < -105 dBc/Hz (typ.)
- ✂ Portability: lightweight and battery lasts for a day's work
- ✂ User experience redefined thanks to multitouch interface
- ✂ Measurement speed: 0.3 ms/point

Power Supplies

- ✂ Channel count: Up to 4
- ✂ Electrically Equivalent Channels
- ✂ Max Voltage: 4x32 V/channel
- ✂ Max Current: 10 A/channel
- ✂ Max Power: 384 W

Power Analyzer

- ✂ Analog bandwidth: DC to 100 GHz
- ✂ Sampling rate: 500 ksample/s
- ✂ 16-bit resolution for current and voltage

Signal Generator

- ✂ Frequency range 9 kHz to 1.1 GHz or 3.2 GHz
- ✂ Maximum output level of typ. > +17 dBm
- ✂ Optional high-stability reference oscillator
- ✂ Analog modulation modes (AM/FM/φM/pulse) integrated as standard



RTH Scope Rider
500 MHz Handheld
Oscilloscope



RTB2000
300 MHz Oscilloscope



RTM3000
1 GHz Oscilloscope



RTE1000
2 GHz Oscilloscope



NGE100B
100 W power supply



NGL200
100 W high precision
power supply and sink



SMC100AP31
Signal generator



FPC1500
3 GHz Spectrum analyzer



Spectrum Rider FPH
4 GHz handheld spectrum analyzer

Oscilloscopes

Name	Bandwidth	Channels	Option Packages
R&S@RTC1K-COM2	300 MHz	2 analog / 8 digital	AWG, MSO, I2C, SPI, UART/RS-232/RS-422/RS-485, CAN/LIN
R&S@RTB2K-COM4	300 MHz	4 analog / 16 digital	AWG, MSO, I2C, SPI, UART/RS-232/RS-422/RS-485, CAN/LIN, frequency response analysis, history and segmented memory
R&S@RTM3K-COM4	1 GHz	4 analog / 16 digital	AWG, MSO, I2C, SPI, UART/RS-232/RS-422/RS-485, I2S LJ/RJ/TDM, MIL-1553, ARINC 429, CAN/LIN, power analysis, frequency response analysis, history and segmented memory, spectrum analysis
R&S@RTA4K-COM4	1 GHz	4 analog / 16 digital	AWG, MSO, I2C, SPI, UART/RS-232/RS-422/RS-485, I2S LJ/RJ/TDM, MIL-1553, ARINC 429, CAN/LIN, power analysis, frequency response analysis, history and segmented memory, spectrum analysis
R&S@RTE-COM4	2 GHz	4 analog / 16 digital	MSO, I2C, SPI, UART/RS-232/RS-422/RS-485, CAN/LIN, CAN-FD, CXPI, Flex-Ray, SENT, I2S, MIL-1553, ARINC 429, Space Wire, MIPI RFFE, Custom decode, MDIO, USB1.0/1.1/2.0/HSIC, high definition 16-bit resolution, power analysis, spectrum analysis, Ethernet 100 BASE-T1, bus Measurements
R&S@RTH-COM4C	500 MHz	4 analog / 8 digital	MSO, I2C, SPI, UART/RS-232/RS-422/RS-485, CAN/LIN, CAN-FD, SENT, spectrum analysis, frequency counter, advanced trigger, harmonic analysis, Wireless LAN, remote control, history and segmented memory

Spectrum and Antenna Analyzers

Name	Frequency range	Phase Noise f=500 MHz, 100 kHz offset	Option Packages
R&S@FPC-COM1	5 kHz to 3 GHz	< -103 dBc/Hz (typ.)	Preamplifier, frequency extension, modulation analysis, receiver mode, advanced measurements
R&S@FPC-COM2	5 kHz to 3 GHz	< -103 dBc/Hz (typ.)	Tracking generator, VNA, signal generator, preamplifier, frequency extension, modulation analysis, receiver mode, advanced measurements
R&S@FPH-COM1	2 GHz to 4 GHz	< -105 dBc/Hz (typ.)	Preamplifier, frequency extension, modulation analysis, power sensor support, interference analysis, signal strength mapping, channel power meter, pulse measurements with power sensor, receiver mode
R&S@ZPH-COM1	3 GHz to 4 GHz	< -105 dBc/Hz (typ.)	Frequency extension, GPS support, power sensor support, channel power meter, pulse measurements with power sensor
R&S@ZPH-COM2	3 GHz to 4 GHz	< -105 dBc/Hz (typ.)	Preamplifier, frequency extension, spectrum analysis, modulation analysis, power sensor support, interference analysis, signal strength mapping, channel power meter, pulse measurements with power sensor

Power Supplies

Name	Output Channels	Max. output power	Option Packages
R&S@NGE-COM3a	3	100 W	Ethernet remote control, Wireless LAN remote control, Digital I/O trigger
R&S@NGL-COM2a	2	120 W	Wireless LAN remote control, Digital I/O trigger
R&S@NGM-COM2a	2	120 W	Wireless LAN remote control, Digital I/O trigger, Digital Voltmeter functionality, Battery Simulation
R&S@HMP4040	4	384 W	

Power Analyzer

Name	Basic Accuracy	Measurement Range	Option Packages
R&S@HMC8015COM	0.05%	50 μ W up to 12 kW	Advanced Analysis, Advanced I/O, Compliance Tests

Signal Generator

Name	Frequency range	Output power	Option Packages
R&S@SMC100AP31	9 kHz to 1.1 / 3.2 GHz	> +13 dBm	OCXO Reference Oscillator

Service that adds value

- Worldwide
- Local and personalized
- Customized and flexible
- Uncompromising quality
- Long-term dependability

Rohde & Schwarz

The Rohde & Schwarz electronics group offers innovative solutions in the following business fields: test and measurement, broadcast and media, secure communications, cybersecurity, monitoring and network testing. Founded more than 80 years ago, the independent company which is headquartered in Munich, Germany, has an extensive sales and service network with locations in more than 70 countries.

www.rohde-schwarz.com

Certified Quality Management
ISO 9001

Certified Environmental Management
ISO 14001

Rohde & Schwarz representative

Sustainable product design

- ▶▶ Environmental compatibility and eco-footprint
- ▶▶ Energy efficiency and low emissions
- ▶▶ Longevity and optimized total cost of ownership

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Mobile Network Testing – Maximize network quality and performance

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