

R & S® ESSENTIALS SPECIAL

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Save over 50% on popular instrument configurations!



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# OVER 50% OFF OUR MOST POPULAR INSTRUMENT CONFIGURATIONS

## Proven concept, extended range of product offers!

Customers receive over 50% off the most popular instruments on an engineer's bench including oscilloscopes, signal and spectrum analyzers, power supplies, vector network analyzers, signal generators, cable & antenna analyzers, power meters, and a power analyzer. Several of the instruments are recent market introductions or have not been offered in this promotional configuration before.

## Future-proof your investment!

Buying T&M equipment is a long-term investment. Some of the options available for purchase today might not be needed for a current T&M task, but could be required later. Securing a budget for updates can be time-consuming. Now you can buy fully-loaded instruments to cover your design needs today and tomorrow.

Leveraging customer feedback and its industry experience, Rohde&Schwarz has equipped its products to the fullest or compiled its most sought after configurations for this limited-time offer. Benefit from:

- ▶ Options included upfront, no need to configure
- ▶ Single price for each instrument
- ▶ Maximum bench performance and maximum savings



**R&S®RTB2000**  
300 MHz oscilloscope  
**38% discount**



**R&S®RTM3000**  
500 MHz oscilloscope  
**47% discount**



**R&S®RTA4004**  
1 GHz oscilloscope  
**57% discount**



**R&S®FPC1500**  
3 GHz spectrum analyzer  
**46% discount**



**R&S®ZNL6**  
6 GHz 3-in-1 vector network analyzer  
**10% discount**

# PROMOTIONAL OFFER AT A GLANCE

## Oscilloscopes

- ▶ Performance: bandwidth up to 1 GHz
- ▶ Channels: up to 4 analog/16 digital (MSO)
- ▶ Sample rate: up to 5 Gsample/s
- ▶ Memory: up to 1 Gsample segmented memory
- ▶ Up to 10-bit ADC and 16-bit HD mode

## 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

## Vector network analyzers

- ▶ Frequency range from 5 kHz to 6 GHz
- ▶ Two-port vector network analyzer for bidirectional measurements
- ▶ Wide dynamic range of typ. 130 dB
- ▶ Fully integrated spectrum analysis on the R&S®ZNL with R&S®ZNLx-B1 option

## Power meter

- ▶ Intuitive operation with touch screen based GUI
- ▶ Supports up to four power sensors
- ▶ Supports all sensor-dependent measurement functions

## Spectrum analyzers

- ▶ Frequency range: 5 kHz to 7.5 GHz
- ▶ DANL: -165 dBm (typ.)
- ▶ Phase noise (f = 500 MHz, 100 kHz offset): -105 dBc/Hz (typ.)
- ▶ Intuitive operation
- ▶ Multitouch interface with smartphone-like gesture operation on handheld devices

## Power supplies

- ▶ Channel count: up to 4
- ▶ Electrically equivalent channels
- ▶ Max voltage: 4x32 V/channel
- ▶ Max current: 10 A/channel
- ▶ Max power: 384 W

## Cable & antenna analyzers

- ▶ Frequency range up to 4 GHz
- ▶ One-port model features: DTF, return loss, VSWR & cable loss measurements, power sensor support
- ▶ Two-port model additionally features spectrum analysis and S21 transmission, as well as interference and modulation analysis
- ▶ Ideal for field use: up to 9-hour battery life, 2.5 kg (5.5 lb)



**R&S®NGE100B**  
100 W power supply  
**24% discount**



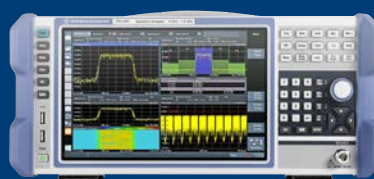
**R&S®NGP800**  
800 W power supply  
**12% discount**



**R&S®SMC100A**  
3.2 GHz signal generator  
**9% discount**



**R&S®HMC8015**  
Power analyzer 0.05 % basic accuracy  
**34% discount**



**R&S®FPL1007**  
7.5 GHz spectrum analyzer  
**15% discount**

# DISCOVER POPULAR INSTRUMENT BUNDLES UNTIL AUGUST 31, 2021

## Oscilloscopes

R&S Model	Bandwidth/ channels	Product bundle description	List price US	Discount
R&S®RTC1K-COM2	300 MHz/ 2 analog / 8 digital	R&S®RTC1002: AWG, MSO, I²C, SPI, UART/RS-232/RS-422/RS-485, CAN/LIN	\$ 2,925 \$ 1,490	49 %
R&S®RTB2K-COM4	300 MHz/ 4 analog / 16 digital	R&S®RTB2004: AWG, MSO, I²C, SPI, UART/RS-232/RS-422/RS-485, CAN/LIN, frequency response analysis, history and segmented memory	\$ 6,495 \$ 3,990	38 %
R&S®RTM3K-54PK	500 MHz/ 4 analog / 16 digital	R&S®RTM3004: 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	\$ 16,015 \$ 8,490	47 %
R&S®RTA4K-COM4	1 GHz/ 4 analog / 16 digital	R&S®RTA4004: 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	\$ 23,530 \$ 9,999	57 %
R&S®RTH1K-COM4	500 MHz/ 4 analog / 8 digital	R&S®RTH1004: MSO, I²C, SPI, UART/RS-232/RS-422/RS-485, CAN/LIN, CAN-FD, SENT, spectrum analysis, frequency counter, advanced trigger, harmonic analysis, remote control, history and segmented memory	\$ 12,880 \$ 8,500	34 %

## Spectrum analyzers

R&S Model	Frequency range	Product bundle description	List price US	Discount
R&S®FPC-COM1	5 kHz to 3 GHz	R&S®FPC1000: frequency upgrade; -B22: preamplifier; -K7: modulation analysis; -K43: receiver mode; -K55: advance measurements	\$ 6,440 \$ 3,500	46 %
R&S®FPC-COM2	5 kHz to 3 GHz	R&S®FPC1500: frequency upgrade; -B22: preamplifier; -K7: modulation analysis; -K42: vector network analysis; -K43: receiver mode; -K55: advanced measurements	\$ 8,475 \$ 5,000	41 %
R&S®FPL1003-P6	5 kHz to 3 GHz	R&S®FPL1003 base unit; -B4: OCXO freq. reference; -B5: additional interfaces; -B9: Internal generator; -B10: GPIB interface; -B22: RF preamplifier; -B25: 1 dB step attenuator; -K7: anal. modulation analysis; -K54: EMI meas. application	\$ 24,575 \$ 20,890	15 %
R&S®FPL1007-P6	5 kHz to 7.5 GHz	R&S®FPL1007 base unit; -B4: OCXO freq. reference; -B5: additional interfaces; -B9: internal generator; -B10: GPIB interface; -B22: RF preamplifier; -B25: 1 dB step attenuator; -K7: anal. modulation analysis; -K54: EMI meas. application	\$ 29,670 \$ 25,220	15 %

## Signal generator

R&S Model	Frequency range	Product bundle description	List price US	Discount
R&S®SMC100AP31	9 kHz to 1.1 / 3.2 GHz	R&S®SMC100A base unit; -B103: 9kHz - 3.2GHz; -B1: reference oscillator	\$ 9,190 \$ 8,370	9 %

## Power supplies

R&S Model	Output channels	Product bundle description	List price US	Discount
R&S®HMP4040	4	R&S®HMP4040 base unit	\$ 2,700 \$ 2,495	7%
R&S®NGE-COM3a	3	R&S®NGE103B: -K101: Ethernet remote control; -K102: Wireless LAN remote control; -K103: digital trigger I/O	\$ 1,640 \$ 1,245	24%
R&S®NGL-COM2a	2	R&S®NGL202: -K102: Wireless LAN remote control; -K103: digital trigger I/O	\$ 4,355 \$ 3,745	14%
R&S®NGM-COM2a	2	R&S®NGM202: -K102: Wireless LAN remote control; -K103: digital trigger I/O; -K104: digital voltmeter functionality; K106: battery simulation	\$ 7,915 \$ 7,065	11%
R&S®NGP824COMa	4	R&S®NGP824: 64V/10A; -K102: Wireless LAN remote control; -K103: digital trigger I/O; -K107: analog input	\$ 5,965 \$ 5,245	12%

## Power analyzer

R&S Model	Frequency range	Basic accuracy	Product bundle description	List price US	Discount
R&S®HMC8015COM	50 µW up to 12 kW	0,05%	R&S®HMC8015 base unit; -HOC151: advanced analysis; -HOC152: advanced I/O; -HOC153: compliance test	\$ 3,785 \$ 2,495	34%

## Vector network analyzers

R&S Model	Frequency range	Product bundle description	List price US	Discount
R&S®ZNL6-COM	5 kHz to 6 GHz	R&S®ZNL6 base unit; -B1: spectrum analysis; -B22: extended power range R&S®ZN-Z135 calibration kit; total of 4 years warranty	\$ 38,845 \$ 33,020	15%
R&S®ZNL3-COM	5 kHz to 3 GHz	R&S®ZNL3 base unit; -B1: spectrum analysis; -B22: extended power range R&S®ZN-Z135 calibration kit; total of 4 years warranty	\$ 32,670 \$ 27,770	15%
R&S®ZNL6-COM	5 kHz to 6 GHz	R&S®ZNL6 base unit; -B100: extended frequency range; R&S®ZN-Z135 calibration kit; total of 4 years warranty	\$ 20,980 \$ 18,885	10%

## Cable & antenna analyzers

R&S Model	Frequency range	Product bundle description	List price US	Discount
R&S®ZPH-COM1	2 MHz to 4 GHz	R&S®ZPH base unit; frequency upgrade, -B10: GPS support; -K9: power sensor support; -K19: channel power meter; -K29: pulse measurements with power sensor	\$ 8,175 \$ 4,250	48%
R&S®ZPH-COM2	2 MHz to 4 GHz	R&S®ZPH combi analyzer; frequency upgrade, -B22: spectrum analyzer preamplifier; -K1: spectrum analysis measurement application; -K15: interference analysis; -K16: signal strength mapping measurement application; -K7: modulation analysis; -K9: power sensor support; -K19: channel power meter; -K29: pulse measurements with power sensor	\$ 16,840 \$ 8,755	48%

## Power meter

R&S Model	Product bundle description	List price US	Discount
R&S®NRX-COM4	R&S®NRX base unit; -K2: 2nd measurement channel; -K4: 3. and 4. NRP sens. conn.; -B1: sensor check source	\$ 40,375 \$ 9,340	10%

**TERMS AND CONDITIONS.** This offer is good for qualifying orders placed October 1, 2020 – August 31, 2021. This offer is combinable with the Education discount. Rohde & Schwarz reserves the right to cancel this program at any time by posting changes on rohde-schwarz.com. Offer valid worldwide. Contact a Rohde & Schwarz representative for complete details. All other promotions and discounts cannot be combined. Full list of terms and conditions can be viewed at <http://www.rohde-schwarz.com/us/complete-promotion>.

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**Rohde & Schwarz representative**

### 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.

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- ▮ Environmental compatibility and eco-footprint
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- ▮ Longevity and optimized total cost of ownership

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