

R&S® ESSENTIALS

TODAY'S SOLUTION FOR TOMORROW'S CHALLENGE

Save up to 46% on the most popular T&M instrument configurations



UP TO **46% OFF**
R&S® ESSENTIALS

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Order before
September 30, 2024

ROHDE & SCHWARZ

Make ideas real



PROMOTIONAL OFFER AT A GLANCE

Save up to 46% on the most popular configurations of T&M instrument configurations from Rohde&Schwarz. This promotional offer includes all essential instruments found on an engineer's workbench: oscilloscopes, DC power supplies, spectrum and antenna analyzers, signal generators, LCR meters and source measure units (SMU).

Rohde&Schwarz has carefully chosen the optimal configurations so that our customers will not need to invest in future upgrades to meet tomorrow's test and measurement challenges.

We offer:

- ▶ Options included upfront at point of purchase
- ▶ No configuration necessary – we take care of it
- ▶ Single price for each instrument, no upgrades needed
- ▶ Maximum bench performance and maximum savings

Offer valid until September 30, 2024

Oscilloscopes up to 46% off

- ▶ Up to 1.5 GHz bandwidth
- ▶ Up to 4.5 million waveforms/s real-time update rate
- ▶ Up to 5 Gsample/s sample rate
- ▶ 400 Mpoints per channel standard memory
- ▶ 12-bit ADC at all sample rates



DC power supplies up to 19% off

- ▶ Up to 4 channels
- ▶ Up to 800 W maximum output power
- ▶ Electrically equivalent channels
- ▶ Max. voltage: 4 × 64 V/channel
- ▶ Max. current: 4 × 10 A/channel or 40 A in total



Spectrum analyzers up to 27% off

- ▶ Frequency range: 5 kHz to 26.5 GHz
- ▶ DANL: typ. -163 dBm
- ▶ Phase noise: typ. -108 dBc (1 Hz)
- ▶ Intuitive operation
- ▶ Small test bench footprint



Source measure unit 13% off

- ▶ Two quadrants: operate as source and sink
- ▶ High-speed data acquisition
- ▶ Voltage priority and current priority mode
- ▶ High-capacitance mode
- ▶ Fast load regulation
- ▶ Battery simulation



Vector signal generator 13% off

- ▶ Frequency range: 8 kHz to 3 GHz
- ▶ Max. output level of typ. > +25 dBm
- ▶ Full software option defined vector signal generator with 5" touchscreen
- ▶ Modulation bandwidth up to 240 MHz



LCR meter 10% off

- ▶ Max. test frequency: up to 10 MHz
- ▶ Max. bias voltage: up to 40 V
- ▶ Sweep and binning measurement functions
- ▶ Basic accuracy of $\pm 0.05\%$



UP TO 46 % SAVINGS ON THE MOST POPULAR CONFIGURATIONS

Oscilloscopes

Model	Bandwidth, channels	Product bundle description	List price US	Discount
R&S®RTC-BNDL	300 MHz, 2 analog channels	R&S®RTC1002: ARB generator, I ² C/SPI trigger and decode, UART/RS-232 trigger and decode, CAN/LIN trigger and decode	\$2,910 \$1,920	34%
R&S®RTB-BNDL	300 MHz, 4 analog channels	R&S®RTB2004: ARB generator, I ² C/SPI trigger and decode, UART/RS-232 trigger and decode, CAN/LIN trigger and decode, history and segment memory, frequency response analysis (Bode plot)	\$7,190 \$4,170	42%
R&S®RTM-BNDL ¹⁾	500 MHz, 4 analog channels	R&S®RTM3004: ARB generator, I ² C/SPI trigger and decode, UART/RS-232 trigger and decode, CAN/LIN trigger and decode, I ² S trigger and decode, MIL-STD-1553 trigger and decode, ARINC 429 trigger and decode, history and segmented memory, power analysis, frequency response analysis (Bode plot), spectrum analysis and spectrogram	\$17,750 \$9,585	46%
R&S®RTA-BNDL	1 GHz, 4 analog channels	R&S®RTA4004: ARB generator, I ² C/SPI trigger and decode, UART/RS-232 trigger and decode, CAN/LIN trigger and decode, I ² S trigger and decode, MIL-STD-1553 trigger and decode, ARINC 429 trigger and decode, history and segmented memory, power analysis, frequency response analysis (Bode plot), spectrum analysis and spectrogram	\$25,770 \$14,430	44%
R&S®MX04-BNDL	1.5 GHz, 4 analog channels	MXO 44: ARB generator, low speed serial buses, automotive protocols, frequency response analysis (Bode plot), power analysis	\$32,800 \$20,665	37%

¹⁾ Promotion bundle will not support keycode bandwidth upgrade to 1 GHz. The Rohde&Schwarz Service Center will handle the upgrade.

DC power supplies

Model	Output channels	Maximum output power	Product bundle description	List price US	Discount
R&S®NGE-COM3b	3	100 W	R&S®NGE103B: Ethernet remote control, digital trigger I/O	\$1,780 \$1,440	19%
R&S®NGM-COM2b	2	120 W	R&S®NGM202: digital trigger I/O, digital voltmeter functionality, battery simulation	\$8,705 \$7,835	10%
R&S®NGP824-COMb	4	800 W	R&S®NGP824: 64 V/10 A, digital trigger I/O, analog input	\$6,915 \$6,225	10%
R&S®NGA142COMb	2	80 W	R&S®NGA142: digital trigger I/O	\$2,240 \$2,015	10%
R&S®HMP4040COM	2	160 W	R&S®HMP4040: dual interface (USB/Ethernet)	\$3,580 \$3,220	10%

Handheld analyzers

Model	Frequency range	Product bundle description	List price US	Discount
R&S®FPH-INH8	5 kHz to 8 GHz	R&S®FPH: preamplifier, interference analysis, maps	\$15,195 \$11,395	25%
R&S®ZPH-COM2	2 MHz to 4 GHz	R&S®ZPH: preamplifier, spectrum analysis, interference analysis, signal strength mapping, modulation analysis, power sensor support, channel power meter, pulse measurements with power sensor	\$19,455 \$13,620	30%

Spectrum analyzers

Model	Frequency range	Product bundle description	List price US	Discount
R&S®FPC-COM2	5 kHz to 3 GHz	R&S®FPC1500: preamplifier, modulation analysis, vector network analysis, receiver mode, advanced measurements	\$9,535 \$7,150	25%
R&S®FPL-EMI3	5 kHz to 3 GHz	R&S®FPL1003: additional interfaces, internal generator, RF preamplifier, EMI measurement application	\$23,275 \$17,455	25%
R&S®FPL-EMI7	5 kHz to 7.5 GHz	R&S®FPL1007: additional interfaces, internal generator, RF preamplifier, EMI measurement application	\$29,355 \$21,430	27%
R&S®FPL1007-TG	5 kHz to 7.5 GHz	R&S®FPL1007: OCXO reference frequency, additional interfaces, internal generator, RF preamplifier, 1 dB steps for electronic attenuator	\$29,560 \$22,170	25%
R&S®FPL1007-P1	5 kHz to 7.5 GHz	R&S®FPL1007: OCXO reference frequency, additional interfaces, RF preamplifier, 1 dB steps for electronic attenuator	\$24,380 \$18,285	25%
R&S®FPL1014-P1	5 kHz to 14 GHz	R&S®FPL1014: OCXO reference frequency, additional interfaces, RF preamplifier, 1 dB steps for electronic attenuator	\$40,685 \$30,515	25%
R&S®FPL1026-P1	5 kHz to 26.5 GHz	R&S®FPL1026: OCXO reference frequency, additional interfaces, RF preamplifier, 1 dB steps for electronic attenuator	\$47,395 \$35,545	25%

Source measure unit

Model	Output channel	Product bundle description	List price US	Discount
R&S®NGU201COM	1	R&S®NGU201: two-quadrant source measure unit, digital trigger I/O, digital voltmeter function, battery simulation	\$10,700 \$9,310	13%

Vector signal generator

Model	Frequency range	Product bundle description	List price US	Discount
R&S®SMCV100BP2	4 kHz to 3 GHz	R&S®SMCV100B: AM/FM/φM (via baseband), pulse modulation, custom digital modulation	\$15,600 \$13,570	13%

LCR meter

Model	Maximum frequency	Basic accuracy	Product bundle description	List price US	Discount
R&S®LCX200COM	10 MHz	±0.05% for impedance measurements; ±0.03° for phase measurements	R&S®LCX200: advanced analysis option, binning option, extended bias option	\$21,855 \$19,670	10%

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Rohde & Schwarz

The Rohde&Schwarz technology group is among the trail-blazers when it comes to paving the way for a safer and connected world with its leading solutions in test & measurement, technology systems and networks&cybersecurity. Founded 90 years ago, the group is a reliable partner for industry and government customers around the globe. The independent company is headquartered in Munich, Germany and has an extensive sales and service network with locations in more than 70 countries.

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Sustainable product design

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

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