

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 CA	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	\$3,845 \$2,535	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)	\$9,495 \$5,505	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	\$23,430 \$12,655	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	\$34,020 \$19,050	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	\$43,300 \$27,280	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 CA	Discount
R&S®NGE-COM3b	3	100 W	R&S®NGE103B: Ethernet remote control, digital trigger I/O	\$2,350 \$1,905	19%
R&S®NGM-COM2b	2	120 W	R&S®NGM202: digital trigger I/O, digital voltmeter functionality, battery simulation	\$11,495 \$10,345	10%
R&S®NGP824-COMb	4	800 W	R&S®NGP824: 64 V/10 A, digital trigger I/O, analog input	\$9,130 \$8,220	10%
R&S®NGA142COMb	2	80 W	R&S®NGA142: digital trigger I/O	\$2,960 \$2,660	10%
R&S®HMP4040COM	2	160 W	R&S®HMP4040: dual interface (USB/Ethernet)	\$4,730 \$4,255	10%

Handheld analyzers

Model	Frequency range	Product bundle description	List price CA	Discount
R&S®FPH-INH8	5 kHz to 8 GHz	R&S®FPH: preamplifier, interference analysis, maps	\$20,060 \$15,045	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	\$25,685 \$17,980	30%

Spectrum analyzers

Model	Frequency range	Product bundle description	List price CA	Discount
R&S®FPC-COM2	5 kHz to 3 GHz	R&S®FPC1500: preamplifier, modulation analysis, vector network analysis, receiver mode, advanced measurements	\$12,590 \$9,440	25%
R&S®FPL-EMI3	5 kHz to 3 GHz	R&S®FPL1003: additional interfaces, internal generator, RF preamplifier, EMI measurement application	\$30,725 \$23,045	25%
R&S®FPL-EMI7	5 kHz to 7.5 GHz	R&S®FPL1007: additional interfaces, internal generator, RF preamplifier, EMI measurement application	\$38,750 \$28,290	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	\$39,020 \$29,265	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	\$32,185 \$24,140	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	\$53,705 \$40,280	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	\$62,565 \$46,920	25%

Source measure unit

Model	Output channel	Product bundle description	List price CA	Discount
R&S®NGU201COM	1	R&S®NGU201: two-quadrant source measure unit, digital trigger I/O, digital voltmeter function, battery simulation	\$14,125 \$12,290	13%

Vector signal generator

Model	Frequency range	Product bundle description	List price CA	Discount
R&S®SMCV100BP2	4 kHz to 3 GHz	R&S®SMCV100B: AM/FM/φM (via baseband), pulse modulation, custom digital modulation	\$20,595 \$17,915	13%

LCR meter

Model	Maximum frequency	Basic accuracy	Product bundle description	List price CA	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	\$28,850 \$25,965	10%

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Rohde & Schwarz

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- ▶ Energy efficiency and low emissions
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