

R&S® ESSENTIALS

# TODAY'S SOLUTION FOR TOMORROW'S CHALLENGE

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March 31, 2025

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# PROMOTIONAL OFFER AT A GLANCE

Save up to 49% 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 March 31, 2025**

### Oscilloscopes up to 49% off

- ▶ Up to 2 GHz bandwidth
- ▶ Up to 4.5 million waveforms/s real-time update rate
- ▶ Up to 5 Gsample/s sample rate
- ▶ 400 Mpoints (MXO 4), 500 Mpoints (MXO 5) 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: 2 × 100 V/channel
- ▶ Max. current: 4 × 10 A/channel or 40 A in total



### Spectrum analyzers up to 40% 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 14% 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 49 % SAVINGS ON THE 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, trigger and decode (I <sup>2</sup> C/SPI/UART/RS-232/CAN/LIN)	\$2,900 \$1,925	34 %
R&S®RTB-BNDL	300 MHz, 4 analog channels	R&S®RTB2004: ARB generator, trigger and decode (I <sup>2</sup> C/SPI/UART/RS-232/CAN/LIN), history and segment memory, frequency response analysis (Bode plot)	\$7,170 \$4,145	42 %
R&S®RTM-BNDL	1 GHz, 4 analog channels	R&S®RTM3004: ARB generator, trigger and decode (I <sup>2</sup> C/SPI/UART/RS-232/CAN/LIN/I <sup>2</sup> S/MIL-STD-1553/ARINC 429), history and segmented memory, power analysis, frequency response analysis (Bode plot), spectrum analysis and spectrogram	\$19,860 \$10,490	47 %
R&S®RTA-BNDL	1 GHz, 4 analog channels	R&S®RTA4004: ARB generator, trigger and decode (I <sup>2</sup> C/SPI/UART/RS-232/CAN/LIN/I <sup>2</sup> S/MIL-STD-1553/ARINC 429), history and segmented memory, power analysis, frequency response analysis (Bode plot), spectrum analysis and spectrogram	\$23,835 \$13,115	45 %
R&S®MX044-BASC	200 MHz, 4 analog channels	MXO 44: ARB generator	\$10,500 \$8,925	15 %
R&S®MX044-PRO	500 MHz, 4 analog channels	MXO 44: low speed serial buses (I <sup>2</sup> C/SPI/QuadSPI/UART/RS-232/RS-422/RS-485), automotive protocols (CAN/CAN FD/CAN XL/LIN), automotive Ethernet bus (10BASE-T1S), power analysis, frequency response analysis, MIPI low speed protocols, ARB generator	\$37,470 \$20,985	44 %
R&S®MX044-ULTM	1.5 GHz, 4 analog channels	MXO 44: low speed serial buses (I <sup>2</sup> C/SPI/QuadSPI/UART/RS-232/RS-422/RS-485), automotive protocols (CAN/CAN FD/CAN XL/LIN), automotive Ethernet bus (10BASE-T1S), power analysis, frequency response analysis, MIPI low speed protocols, ARB generator, mixed signal option (MSO), memory option 800 Mpoints	\$48,085 \$24,525	49 %
R&S®MX054-BASC	350 MHz, 4 analog channels	MXO 54: ARB generator	\$19,130 \$16,995	11 %
R&S®MX054-PRO	500 MHz, 4 analog channels	MXO 54: low speed serial buses (I <sup>2</sup> C/SPI/QuadSPI/UART/RS-232/RS-422/RS-485), automotive protocols (CAN/CAN FD/CAN XL/LIN), automotive Ethernet buses (10BASE-T1S, 100BASE-T1), power analysis, frequency response analysis, MIPI low speed protocols, ARB generator	\$42,615 \$24,720	42 %
R&S®MX054-ULTM	2 GHz, 4 analog channels	MXO 54: low speed serial buses (I <sup>2</sup> C/SPI/QuadSPI/UART/RS-232/RS-422/RS-485), automotive protocols (CAN/CAN FD/CAN XL/LIN), automotive Ethernet buses (10BASE-T1S, 100BASE-T1), power analysis, frequency response analysis, MIPI low speed protocols, ARB generator, mixed signal option (MSO), memory option 1 Gpoint	\$57,960 \$30,800	47 %
R&S®MX058-BASC	100 MHz, 8 analog channels	MXO 58: ARB generator	\$21,530 \$19,780	8 %
R&S®MX058-PRO	500 MHz, 8 analog channels	MXO 58: low speed serial buses (I <sup>2</sup> C/SPI/QuadSPI/UART/RS-232/RS-422/RS-485), automotive protocols (CAN/CAN FD/CAN XL/LIN), automotive Ethernet buses (10BASE-T1S, 100BASE-T1), power analysis, MIPI low speed protocols, ARB generator	\$57,035 \$36,565	36 %
R&S®MX058-ULTM	2 GHz, 8 analog channels	MXO 58: low speed serial buses (I <sup>2</sup> C/SPI/QuadSPI/UART/RS-232/RS-422/RS-485), automotive protocols (CAN/CAN FD/CAN XL/LIN), automotive Ethernet buses (10BASE-T1S, 100BASE-T1), power analysis, frequency response analysis, MIPI low speed protocols, ARB generator, mixed signal option (MSO), memory option 1 Gpoint	\$78,045 \$46,250	41 %

## 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	\$1,785 \$1,440	19 %
R&S®NGM-COM2B	2	120 W	R&S®NGM202: digital trigger I/O, digital voltmeter functionality, battery simulation	\$8,720 \$7,695	12 %
R&S®NGP824-COMB	4	800 W	R&S®NGP824: digital trigger I/O, analog input	\$6,955 \$6,235	10 %
R&S®NGA142-COMB	2	80 W	R&S®NGA142: digital trigger I/O	\$2,230 \$2,015	10 %
R&S®HMP4040-COM	4	384 W	R&S®HMP4040: dual interface (USB/Ethernet)	\$3,585 \$3,200	11 %
R&S®NGL-COM2B	2	120 W	R&S®NGL200: digital trigger I/O	\$4,620 \$4,100	11 %



## Handheld analyzers

Model	Frequency range	Product bundle description	List price US	Discount
R&S®FPH-COM1	5 kHz to 3 GHz	R&S®FPH: preamplifier, modulation analysis, power sensor support, channel power meter, pulse measurement with sensor, interference analysis, receiver mode	\$16,750 \$10,045	40%
R&S®FPH-INH4	5 kHz to 4 GHz	R&S®FPH: preamplifier, interference analysis, maps	\$11,600 \$8,760	25%
R&S®FPH-INH8	5 kHz to 8 GHz	R&S®FPH: preamplifier, interference analysis, maps	\$15,710 \$11,785	25%
R&S®ZPH-COM1	2 MHz to 4 GHz	R&S®ZPH: GPS support, power sensor support, channel power meter, pulse measurements with power sensor	\$9,565 \$5,785	40%
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	\$19,795 \$11,885	40%

## Spectrum analyzers

Model	Frequency range	Product bundle description	List price US	Discount
R&S®FPC-COM1	5 kHz to 3 GHz	R&S®FPC1000: preamplifier, modulation analysis, receiver mode, advanced measurements	\$7,620 \$4,575	40%
R&S®FPC-COM2	5 kHz to 3 GHz	R&S®FPC1500: preamplifier, modulation analysis, vector network analysis, receiver mode, advanced measurements	\$10,020 \$6,040	40%
R&S®FPL-EMI3	5 kHz to 3 GHz	R&S®FPL1003: additional interfaces, internal generator, RF preamplifier, EMI measurement application	\$23,220 \$18,665	20%
R&S®FPL-EMI7	5 kHz to 7.5 GHz	R&S®FPL1007: additional interfaces, internal generator, RF preamplifier, EMI measurement application	\$29,285 \$21,980	25%
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	\$24,400 \$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	\$40,835 \$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	\$47,320 \$35,545	25%

## Source measure unit

Model	Output channel	Maximum voltage/current	Product bundle description	List price US	Discount
R&S®NGU201COM	1	20 V/8 A	R&S®NGU201: digital trigger I/O, digital voltmeter function, battery simulation	\$10,735 \$9,285	14%

## 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	\$15,585 \$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	\$21,930 \$19,650	10%

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**testforce**

+1 (888) 880-6804  
sales@testforce.com

**Rohde & Schwarz**

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