## **R&S®ESSENTIALS**

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# PROMOTIONAL OFFER AT A GLANCE

Save up to 52% 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:

- ► Attractive package deals tailored to different testing needs
- ▶ No configuration necessary we take care of it
- ▶ One package price, no hidden upgrade costs
- ▶ Maximum bench performance and maximum savings

Offer valid until September 30, 2025

#### Oscilloscopes up to 52% 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: 4 × 64 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: -163 dBm (typ.)
- ► Phase noise: -108 dBc (1 Hz) (typ.)
- ► 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 > +25 dBm (typ.)
- ► 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 ±0.05%







# **UP TO 52 % SAVINGS ON THE CONFIGURATIONS**

## **Oscilloscopes**

|                | _                             |   |                          |          |
|----------------|-------------------------------|---|--------------------------|----------|
| Model          | Bandwidth, channels           | Product bundle description  | List price<br>Europe     | Discount |
| R&S®RTB2-BNDL  | 300 MHz,<br>4 analog channels | R&S*RTB24: ARB generator, history and segment memory, 300 MHz bandwidth option, low speed serial buses (I²C/SPI/UART/RS-232), automotive protocols (CAN/LIN), frequency response analysis (Bode plot)   | EUR 6,280<br>EUR 3,290   | 48%      |
| R&S®RTH-BNDL   | 500 MHz,<br>4 analog channels | R&S*RTH1004: 500 MHz bandwidth option, low speed serial buses (I²C/SPI/UART/RS-232), automotive protocols (CAN/LIN/CAN-FD/SENT), history and segmented memory, spectrum analysis, advanced trigger functionality, frequency counter on two channels, harmonics analysis, user scripting, web interface remote control | EUR 13,100<br>EUR 7,900  | 40%      |
| R&S®MXO44-BASC | 200 MHz,<br>4 analog channels | MXO 44: ARB generator   | EUR 10,360<br>EUR 8,810  | 15%      |
| R&S®MXO44-PRO  | 500 MHz,<br>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   | EUR 35,300<br>EUR 19,900 | 44%      |
| R&S®MXO44-ULTM | 1.5 GHz,<br>4 analog channels | MXO 44: low speed serial buses (I²C/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            | EUR 49,470<br>EUR 23,900 | 52%      |
| R&S®MX054-BASC | 350 MHz,<br>4 analog channels | MXO 54: ARB generator   | EUR 19,500<br>EUR 17,360 | 11%      |
| R&S®MX054-PRO  | 500 MHz,<br>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                                       | EUR 43,440<br>EUR 25,900 | 40%      |
| R&S®MX054-ULTM | 2 GHz,<br>4 analog channels   | MXO 54: low speed serial buses (I²C/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 | EUR 59,090<br>EUR 32,900 | 44%      |
| R&S®MX058-BASC | 100 MHz,<br>8 analog channels | MXO 58: ARB generator   | EUR 22,130<br>EUR 19,700 | 11%      |
| R&S®MX058-PRO  | 500 MHz,<br>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                                       | EUR 58,150<br>EUR 39,900 | 31%      |
| R&S®MX058-ULTM | 2 GHz,<br>8 analog channels   | MXO 58: low speed serial buses (I²C/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 | EUR 79,570<br>EUR 48,900 | 39%      |

## **DC** power supplies

| Model           | Output channels | Maximum output power | Product bundle description                                | List price<br>Europe   | Discount |
|-----------------|-----------------|----------------------|---|------------------------|----------|
| R&S®NGE-COM3B   | 3               | 100 W                | R&S®NGE103B: Ethernet remote control, digital trigger I/O | EUR 1,460<br>EUR 1,180 | 19%      |
| R&S®NGP824-COMB | 4               | 800 W                | R&S®NGP824: digital trigger I/O, analog input             | EUR 5,700<br>EUR 5,110 | 10%      |
| R&S®HMP4040COM  | 4               | 384 W                | R&S®HMP4040: dual interface (USB/Ethernet)                | EUR 3,205<br>EUR 2,860 | 11%      |

## Handheld analyzers

| Model        | Frequency range | Product bundle description   | List price<br>Europe    | Discount |
|--------------|-----------------|--|-------------------------|----------|
| R&S®FPH-INH8 | 5 kHz to 8 GHz  | R&S®FPH: preamplifier, interference analysis, maps   | EUR 13,090<br>EUR 9,820 | 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 | EUR 16,225<br>EUR 9,740 | 40 %     |

# **Spectrum analyzers**

| Model          | Frequency range   | Product bundle description  | List price<br>Europe     | Discount |
|----------------|-------------------|---|--------------------------|----------|
| R&S®FPC-COM1   | 5 kHz to 3 GHz    | R&S®FPI.TIIIII nreamplitier modulation analysis receiver mode, advanced measurements                                | EUR 6,245<br>EUR 3,750   | 40%      |
| R&S®FPC-COM2   | 5 kHz to 3 GHz    |   | EUR 8,210<br>EUR 4,950   | 40%      |
| R&S®FPL-EMI3   | 5 kHz to 3 GHz    | R&S*FPL1003: additional interfaces, internal generator, RF preamplifier, EMI measurement application                | EUR 18,225<br>EUR 14,650 | 20%      |
| R&S®FPL-EMI7   | 5 kHz to 7.5 GHz  | R&S*FPL1007: additional interfaces, internal generator, RF preamplifier, EMI measurement application                | EUR 22,985<br>EUR 17,250 | 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 | EUR 37,140<br>EUR 27,900 | 25%      |

## Source measure unit

| Model         | Output channel | Maximum voltage/current | Product bundle description  | List price<br>Europe   | Discount |
|---------------|----------------|-------------------------|---|------------------------|----------|
| R&S®NGU201COM | 1              | 20 V/8 A                | R&S®NGU201: digital trigger I/O, digital voltmeter function, battery simulation | EUR 9,110<br>EUR 7,880 | 14%      |

## **Vector signal generator**

| Model          | Frequency range | Product bundle description   | List price<br>Europe     | Discount |
|----------------|-----------------|--|--------------------------|----------|
| R&S®SMCV100BP2 | 4 kHz to 3 GHz  | R&S*SMCV100B: AM/FM/φM (via baseband), pulse modulation, custom digital modulation | EUR 13,550<br>EUR 11,800 | 13%      |

## LCR meter

| Model         | Maximum frequency | Basic accuracy   | Product bundle description   | List price<br>Europe     | Discount |
|---------------|-------------------|--|--|--------------------------|----------|
| R&S®LCX200COM | 10 MHz            | $\pm 0.05\%$ for impedance measurements; $\pm 0.03^{\circ}$ for phase measurements | R&S®LCX200: advanced analysis option, binning option, extended bias option | EUR 16,740<br>EUR 15,000 | 10%      |

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#### Rohde & Schwarz

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