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Prepare for the future now, before your design needs change.
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**Invest in Rohde & Schwarz**
Benefit from Rohde & Schwarz’ quality and German engineering while getting all the bandwidth, channels, memory, spectrum measurements and signal generation you may ever need...at an unrivaled package price. For a limited time Rohde & Schwarz is offering a selection of entry-level instruments, fully equipped with all options at an unrivaled package price.

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**Build your Bench**
Maximize your bench’s performance for every day applications like EMI debug, power integrity, battery testing, channel power and low speed serial with the following instruments:

**Oscilloscopes:**
- Performance: Bandwidths up to 2 GHz
- Channels: Up to 4 analog/16 digital (MSO)
- Up to 10.1" WXGA Touchscreen Display
- Sample Rate: Up to 5 Gsample/s
- Memory: Up to 1 Gsample segmented memory
- Up to 10-bit ADC

**(Handheld) Spectrum and Cable & Antenna Analyzers**
- Frequency Range: 5 kHz to 4 GHz
- DANL: < -165 dBm typ.
- Phase Noise (f = 500 MHz, 100 kHz offset): < -105 dBc/Hz (typ.)
- Portability: lightweight and battery lasts for a day’s work
- User experience redefined thanks to multitouch interface

**Power Supplies**
- Channel count: Up to 4
- Electrically Equivalent Channels
- Max Voltage: 4x32 V/channel
- Max Current: 10 A/channel
- Max Power: 384 W

**Power Analyzer**
- Analog bandwidth: DC to 100 kHz
- Sampling rate: 500 ksample/s
- Power measurement range: 50uW to 12 kW

**Signal Generator**
- Frequency range 9 kHz to 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

**R&S®NGE100B POWER SUPPLY**
- 3 Channels
- 3x32V
- Power: 100W
- WiFi for remote control

**R&S®RTB2000 OSCILLOSCOPE**
- Bandwidth: 300 MHz
- Up to 160 Msample memory
- 10-bit ADC
- 10.1” Touch Display
- I²C/SPI, UART, CAN/LIN plus much more

**R&S®RTM3000 OSCILLOSCOPE**
- Bandwidth: 1 GHz
- Up to 400 Msample memory
- 10-bit ADC
- 10.1” Touch Display
- I²C/SPI, UART, CAN/LIN plus much more

**R&S®RTA4000 OSCILLOSCOPE**
- Bandwidth: 1 GHz
- Up to 1,000 Msample memory
- I²C/SPI, UART, CAN/LIN plus much more
- 10-bit ADC
- 10.1” Touch Display

**R&S®RTH1000 SCOPE RIDER**
- Bandwidth: 500 MHz
- Up to 25 Msample memory
- I²C/SPI, UART, CAN/LIN plus much more
- 10-bit ADC
- 7” Touch Display

**R&S®FPC1500 SPECTRUM ANALYZER**
- Frequency range: Up to 3 GHz
- Preamplifier
- Spectrum Analyzer, Tracking Generator, VNA, Sig Gen
- Modulation analysis plus more

**R&S®SMC100A SIGNAL GENERATOR**
- Frequency range: Up to 3.2 GHz
- >+17 dBm
- High stability reference oscillator

**R&S®NGL200 POWER SUPPLY SERIES**
- 2 channels
- 0x20V
- Power: 120 W
- Wifi for remote control

**R&S®RTE1000 OSCILLOSCOPE**
- Bandwidth: Up to 2 GHz
- Up to 200 Msample
- 16-bit vertical resolution
- 16 digital channels

**R&S®RTH1000 SCOPE RIDER**
- Bandwidth: Up to 2 GHz
- Up to 250 Msample memory
- 16-bit vertical resolution
- 16 digital channels

**R&S®FPC1500 SPECTRUM ANALYZER**
- Frequency range: Up to 3 GHz
- Preamplifier
- Spectrum Analyzer, Tracking Generator, VNA, Sig Gen
- Modulation analysis plus more

**R&S®FPH SPECTRUM RIDER**
- Handheld spectrum analyzer
- -163 dBm displayed average noise level
- 6-hour battery

**Savings up to $8,380**

**Savings up to $4,380**

**Savings up to $3,475**

**Savings up to $920**

**Savings up to $390**

**Savings up to $6,925**

**Savings up to $1,215**

**Savings up to $420**

**Savings up to $18,880**

**Savings up to $11,530**

**Savings up to $9,515**

**Savings up to $2,795**

**Savings up to $480**

**Savings up to $2,310**

**Savings up to $1,215**

**Savings up to $390**
Oscilloscopes

<table>
<thead>
<tr>
<th>Name</th>
<th>Bandwidth</th>
<th>Channels</th>
<th>Option Packages</th>
<th>US List Price</th>
<th>New Promo Price</th>
<th>Discount</th>
</tr>
</thead>
<tbody>
<tr>
<td>R&amp;S®RTC1K-COM2</td>
<td>300 MHz</td>
<td>2 analog / 8 digital</td>
<td>AWG, MSO, PC, SPI, UART/RS-232/RS-422/RS-485, CAN/LIN</td>
<td>$2,925</td>
<td>$1,490</td>
<td>49%</td>
</tr>
<tr>
<td>R&amp;S®RTK2K-COM4</td>
<td>300 MHz</td>
<td>4 analog / 16 digital</td>
<td>AWG, MSO, PC, SPI, UART/RS-232/RS-422/RS-485, CAN/LIN, frequency response</td>
<td>$6,495</td>
<td>$3,700</td>
<td>43%</td>
</tr>
<tr>
<td>R&amp;S®RTM-COM4US</td>
<td>1 GHz</td>
<td>4 analog / 16 digital</td>
<td>AWG, MSO, PC, SPI, UART/RS-232/RS-422/RS-485, 12S LJ/RJ/TDM, MIL-1553, ARINC</td>
<td>$19,415</td>
<td>$9,900</td>
<td>49%</td>
</tr>
<tr>
<td>R&amp;S®RTA-COM4US</td>
<td>1 GHz</td>
<td>4 analog / 16 digital</td>
<td>AWG, MSO, PC, SPI, UART/RS-232/RS-422/RS-485, frequency response analysis</td>
<td>$23,690</td>
<td>$12,000</td>
<td>49%</td>
</tr>
<tr>
<td>R&amp;S®RTL-COM4</td>
<td>2 GHz</td>
<td>4 analog / 16 digital</td>
<td>MSO, PC, SPI, UART/RS-232/RS-422/RS-485, CAN/LIN, CAN-FD, CXPI, Flex-Ray,</td>
<td>$38,530</td>
<td>$19,650</td>
<td>49%</td>
</tr>
<tr>
<td>R&amp;S®RTH-COM4US</td>
<td>500 MHz</td>
<td>4 analog / 8 digital</td>
<td>MSO, PC, SPI, UART/RS-232/RS-422/RS-485, CAN/LIN, CAN-FD, SENT, spectrum</td>
<td>$12,880</td>
<td>$8,500</td>
<td>34%</td>
</tr>
</tbody>
</table>

Spectrum and Antenna Analyzers

<table>
<thead>
<tr>
<th>Name</th>
<th>Frequency Range</th>
<th>Phase Noise f=500 MHz, 100 kHz offset</th>
<th>Option Packages</th>
<th>US List Price</th>
<th>New Promo Price</th>
<th>Discount</th>
</tr>
</thead>
<tbody>
<tr>
<td>R&amp;S®FPC-COM1</td>
<td>5 kHz to 3 GHz</td>
<td>&lt; -103 dBc/Hz (typ.)</td>
<td>Preamplifier, frequency extension, modulation analysis, receiver mode, advanced measurements</td>
<td>$6,440</td>
<td>$3,500</td>
<td>46%</td>
</tr>
<tr>
<td>R&amp;S®FPC-COM2</td>
<td>5 kHz to 3 GHz</td>
<td>&lt; -103 dBc/Hz (typ.)</td>
<td>Tracking generator, VNA, signal generator, preamplifier, frequency extension,</td>
<td>$8,675</td>
<td>$5,000</td>
<td>41%</td>
</tr>
<tr>
<td>R&amp;S®FPH-COM1</td>
<td>5 kHz to 4 GHz</td>
<td>&lt; -105 dBc/Hz (typ.)</td>
<td>Preamplifier, frequency extension, modulation analysis, power sensor support,</td>
<td>$14,425</td>
<td>$7,500</td>
<td>48%</td>
</tr>
<tr>
<td>R&amp;S®ZPH-COM1</td>
<td>2 MHz to 4 GHz</td>
<td>&lt; -105 dBc/Hz (typ.)</td>
<td>Frequency extension, GPS support, power sensor support, channel power meter,</td>
<td>$16,840</td>
<td>$8,755</td>
<td>48%</td>
</tr>
<tr>
<td>R&amp;S®ZPH-COM2</td>
<td>2 MHz to 4 GHz</td>
<td>&lt; -105 dBc/Hz (typ.)</td>
<td>Preamp, frequency extension, spectrum analysis, modulation analysis, power</td>
<td>$16,540</td>
<td>$8,755</td>
<td>48%</td>
</tr>
</tbody>
</table>

Power Supplies

<table>
<thead>
<tr>
<th>Name</th>
<th>Output Channels</th>
<th>Max. output power</th>
<th>Option Packages</th>
<th>US List Price</th>
<th>New Promo Price</th>
<th>Discount</th>
</tr>
</thead>
<tbody>
<tr>
<td>R&amp;S®HME-COM3a</td>
<td>3</td>
<td>100 W</td>
<td>Ethernet remote control, wireless LAN remote control, digital I/O trigger</td>
<td>$1,640</td>
<td>$1,245</td>
<td>24%</td>
</tr>
<tr>
<td>R&amp;S®HMG-COM2a</td>
<td>2</td>
<td>120 W</td>
<td>Wireless LAN remote control, digital I/O trigger</td>
<td>$4,355</td>
<td>$3,875</td>
<td>11%</td>
</tr>
<tr>
<td>R&amp;S®HMP400A</td>
<td>4</td>
<td>384 W</td>
<td>Wireless LAN remote control, digital I/O trigger, digital voltmeter functionality, battery simulation</td>
<td>$7,915</td>
<td>$6,965</td>
<td>12%</td>
</tr>
</tbody>
</table>

Power Analyzer

<table>
<thead>
<tr>
<th>Name</th>
<th>Basic Accuracy</th>
<th>Measurement Range</th>
<th>Option Packages</th>
<th>US List Price</th>
<th>New Promo Price</th>
<th>Discount</th>
</tr>
</thead>
<tbody>
<tr>
<td>R&amp;S®HMC8015COM</td>
<td>0.05%</td>
<td>50 µW to 12kW</td>
<td>Advanced analysis, advanced I/O, compliance tests</td>
<td>$2,785</td>
<td>$2,495</td>
<td>34%</td>
</tr>
</tbody>
</table>

Signal Generator

<table>
<thead>
<tr>
<th>Name</th>
<th>Frequency Range</th>
<th>Output power</th>
<th>Option Packages</th>
<th>US List Price</th>
<th>New Promo Price</th>
<th>Discount</th>
</tr>
</thead>
<tbody>
<tr>
<td>R&amp;S®SMC100AP31</td>
<td>9 kHz to 3.2 GHz</td>
<td>&gt; + 13 dBm</td>
<td>OCXO reference oscillator</td>
<td>$9,190</td>
<td>$8,270</td>
<td>10%</td>
</tr>
</tbody>
</table>