

# Promotions Demo Equipments

June 2020

**ROHDE & SCHWARZ**

Make ideas real





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**SPECTRUM-/SIGNAL ANALYZERS**

Product	Type	Description	List Price	Promotional Price
	<b>DSA</b> Ser. N. 101225	Signal Analyzer for DOCSIS and digital cable TV, DOCSIS 3.1 downstream demod. included, base unit	EUR 44.677,50	<b>EUR 25.050,48</b> <i>-44%</i>
	<b>FPC1000</b> Ser. Nr. 101150 Ser. Nr. 101151	R&S Spectrum Analyzer 5kHz-1GHz <b>incl. following Options:</b> FPC-B22 Spectrum Analyzer Preamplifier	EUR 1.880,-	<b>EUR 1.165,60</b> <i>-38%</i>
	<b>FPH</b> Ser. N. 101117 Ser. N. 101118	Spectrum Rider FPH, <b>incl. following Options:</b> HA-Z220 Soft carrying bag	EUR 4.570,-	<b>EUR 2.833,40</b> <i>-38%</i>
	<b>FPL1007</b> Ser. N. 100697	Spektrum analyser 5 kHz to 7.5 GHz -148 dBm to +30 dBm resolution bandwidth 1 Hz to 10 MHz 10.1 in multi-touch screen	EUR 13.483,60	<b>EUR 10.247,54</b> <i>-24%</i>
	<b>FSH4</b> Ser. N. 116066	Handheld spectrum analyzer 100kHz to 3.6GHz, with preamplifier, tracking generator and VSWR bridge	EUR 12.560,-	<b>EUR 7.787,20</b> <i>-38%</i>
	<b>FSH4</b> Ser. N. 115866	Handheld spectrum analyzer 100kHz to 3.6GHz, with preamplifier, tracking generator and VSWR bridge <b>incl. following Accessories:</b> FSH-Z29 Load/short/open calibration standard for FSH4/8; DC to 4GHz, N connector HA-Z220 Soft carrying bag	EUR 13.415,-	<b>EUR 8.317,30</b> <i>-38%</i>

	<b>FS-SNS40</b> Ser. N. 114013	Smart noise source 100 MHz to 40 GHz for signal and spectrum analyzers equipped with option FSx-K30	EUR 6.267,50-	EUR 4.142,- <b>-34%</b>
	<b>FS-SNS55</b> Ser. N. 115506	Smart noise source 100 MHz to 55 GHz for signal and spectrum analyzers equipped with option FSx-K30	EUR 8.452,50-	EUR 5.586,- <b>-34%</b>
	<b>FSVA3007</b> Ser. N. 101265	Signal and spectrum analyzer 10 Hz to 4 GHz, WXGA display, capacitive touchscreen, enhanced RF and signal analysis <b>incl. following Options:</b> <u>FSV3-B25</u> Electronic attenuator, 0-25 dB in 1 dB steps, max. frequency 7.5 GHz <u>FSV3-B40</u> Extension to 40 MHz signal analysis bandwidth	EUR 52.900,-	EUR 36.358,40 <b>-32%</b>
	<b>FSV3013</b> Ser. N. 101004	Signal and spectrum analyzer 10 Hz to 13.6 GHz, 16:9 WXGA display, capacitive touchscreen	EUR 37.766,-	EUR 25.956,74 <b>-32%</b>
	<b>FSV3030</b> Ser. N. 101005	Signal and spectrum analyzer 10 Hz to 30 GHz, WXGA display, capacitive touchscreen <b>incl. following Options:</b> <u>FSV3-B24</u> RF Preamplifier, 30 dB 10 MHz to 30 GHz	EUR 50.669,-	EUR 34.825,03 <b>-32%</b>
	<b>SMA100B</b> Ser. N. 101562	Signal generator base unit <b>incl. following Options:</b> <u>SMAB-B92</u> Height unit 2 HU <u>SMAB-B120</u> Frequency range: 8 kHz to 20 GHz <u>SMAB-K33</u> High output power 12.75/20 GHz <u>SMAB-B34</u> Ultra high output power 12.75/20 GHz	EUR 57.793,25	EUR 32.475,19 <b>-44%</b>
	<b>SMBV100A</b> Ser. N. 262852	Vector signal generator, base unit <b>incl. following Options:</b> <u>SMBC-B103</u> Frequency range 9KHz to 3,2 GHz <u>SMBV-B1H</u> OCXO with high performance <u>SMBV-B90</u> Phase coherence	EUR 30.509,50	EUR 17.106,55 <b>-44%</b>



**SMC100A**

Ser. N. 107526  
Ser. N. 107460




Signal Generator base unit  
**incl. following Options:**  
SMC-B103 Frequency range  
9kHz to 3.2GHz

EUR 6.890,-

**EUR 5.236,40**




**-24%**

## OSCILLOSCOPES

Product	Type	Description	List Price	Promotional Price
	<b>RTA4K-COM4</b>  Ser. N. 102093	Digital 4 channel oscilloscope, 200 MHz bandwidth (upgradable up to 1GHz)sampling rate up to 5 GSa/s, sample memory up to 200MSa,ADC resolution 10 bit, 10" capacitives touch,4*passive probes <b>consisting of:</b> <a href="#">RTA4004</a> Oscilloscope <a href="#">RTA-B2410</a> 1 GHz Bandwidth upgrade <a href="#">RTA-B6</a> ARB Generator <a href="#">RTA-B1</a> Mixed Signal Option <a href="#">RTA-PK1</a> Application Bundle	EUR 10.500,-	EUR 8.400,-  <span style="font-size: 2em; color: red; font-weight: bold; transform: rotate(-15deg); display: block;">-20%</span>
	<b>RTB2K-COM4</b>  Ser. N. 109638	Digital 4 channel oscilloscope, 70 MHz bandwidth sampling rate up to 2,5 GSa/s, sample memory up to 20MSa,ADC resolution 10 bit <b>consisting of:</b> <a href="#">RTB2004</a> Digital 4 channel Oscilloscope,70 MHz <a href="#">RTB-B243</a> 300 MHZ OPTION, <a href="#">RTB-B1</a> MIXED-SIGNAL MAX. 300MHZ <a href="#">RTB-B6</a> ARB GENERATOR <a href="#">RTB-K1</a> I2C/SPI serial triggering and decoding <a href="#">RTB-K2</a> UART/RS232 serial triggering and decoding <a href="#">RTB-K3</a> CAN/LIN serial triggering and decoding <a href="#">RTB-K15</a> HISTORY & SEGMENT MEMORY <a href="#">RTB-K36</a> Bode Plot Analysis Range: Up to 25 MHz	EUR 5.805,-	EUR 4.644,-  <span style="font-size: 2em; color: red; font-weight: bold; transform: rotate(-15deg); display: block;">-20%</span>
	<b>RTB2K-COM4</b>  Ser. N. 109640	Digital 4 channel oscilloscope, 70 MHz bandwidth sampling rate up to 2,5 GSa/s, sample memory up to 20MSa,ADC resolution 10 bit <b>consisting of:</b> <a href="#">RTB2004</a> Digital 4 channel Oscilloscope,70 MHz <a href="#">RTB-B243</a> 300 MHZ OPTION, <a href="#">RTB-B1</a> MIXED-SIGNAL MAX. 300MHZ <a href="#">RTB-B6</a> ARB GENERATOR <a href="#">RTB-K1</a> I2C/SPI serial triggering and decoding <a href="#">RTB-K2</a> UART/RS232 serial triggering and decoding <a href="#">RTB-K3</a> CAN/LIN serial triggering and decoding <a href="#">RTB-K15</a> HISTORY & SEGMENT MEMORY <a href="#">RTB-K36</a> Bode Plot Analysis Range: Up to 25 MHz	EUR 5.805,-	EUR 4.644,-  <span style="font-size: 2em; color: red; font-weight: bold; transform: rotate(-15deg); display: block;">-20%</span>

	<b>RTB2004</b> Ser. N. 101355	Digital 4 channel oscilloscope, 70 MHz bandwidth (upgradable up to 300 MHz) <b>incl. following Accessories:</b> <u>RTO-Z1</u> Front cover <u>RTO-Z3</u> Protection and transport case	EUR 2.205,-	<b>EUR 1.367,10</b> -38%
	<b>RTC1002</b> Ser. N. 101184	Digital 2 channel oscilloscope, 50MHz bandwidth (upgradable to 300MHz), sample rate up to 2GSa/s, 1MPts/channel, vert. 1mv to 10V/div, hor. 12 div, 6.5" VGA TFT, Ethernet/USB, USB flash drive connector, 2x R&S®RT-ZP03	EUR 835,-	<b>EUR 517,70</b> -38%
	<b>RTC1002</b> Ser. N. 101183	Digital 2 channel oscilloscope, 50MHz bandwidth (upgradable to 300MHz), sample rate up to 2GSa/s, 1MPts/channel, vert. 1mv to 10V/div, hor. 12 div, 6.5" VGA TFT, Ethernet/USB, USB flash drive connector, 2x R&S®RT-ZP03	EUR 835,-	<b>EUR 517,70</b> -38%
	<b>RTE1054</b> Ser. N. 300271	Digital oscilloscope, 4 channels, 500 MHz <b>incl. following Options:</b> <u>RTE-B1</u> Mixed Signal 400MHz, 5GSa/s, 16 channels 100MSa per channel	EUR 17.160,-	<b>EUR 10.639,20</b> -38%
	<b>RTH1002</b> Ser. N. 101245 Ser. N. 101287	Scope Rider, handheld digital oscilloscope, 60 MHz bandwidth (upgradable up to 500 MHz), 2 channels, sampling rate 5 GSa/s, memory depth 500 kSa, CAT IV 600 V, digitales multimeter <b>incl. following Accessories:</b> <u>HA-Z220</u> Soft carrying bag	EUR 3.220,-	<b>EUR 1.996,40</b> -38%



	<p><b>RTH1004</b> Ser. N. 104238</p>	<p>RTH1004 Hand-Oscilloscope, 500MHz, 4 channels <b>consisting of:</b> RTH1004 Oscilloscope 4 channel <u>RTH-B244</u> 500 MHz Option, <u>RTH-B1</u> Mixed-Signal Option 250MHz <u>RTH-K1</u> I2C/SPI serial triggering and decoding <u>RTH-K2</u> UART/RS232 serial triggering and decoding <u>RTH-K3</u> CAN/LIN serial triggering and decoding <u>RTH-K9</u> CAN-FD serial triggering and decoding <u>RTH-K10</u> SENT serial triggering and decoding <u>RTH-K15</u> History and segmented memory <u>RTH-K18</u> Spectrum analysis <u>RTH-K19</u> Advanced trigger functionality <u>RTH-K33</u> Frequency counter (2 channels) <u>RTH-K34</u> Harmonic analysis function <u>RTH-K200</u> Wireless LAN module <u>RTH-K201</u> Web Interface Remote Control</p>	<p>EUR 7.390,-</p>	<p><b>EUR 5.616,40</b> <b>-24%</b></p>
	<p><b>RTH1004</b> Ser. N. 102518</p>	<p>Scope Rider, handheld digital oscilloscope, 60 MHz bandwidth (upgradable up to 500 MHz), 4 channels, sampling rate 5 GSa/s, memory depth 500 kSa, CAT IV 600 V <b>incl. following Options</b> <b>/Accessories:</b> <u>RTM-B243</u> 350 MHz Bandwidth <u>RTB-PK1</u> Application Bundle (contains R&amp;S®RTH-K1, K2, K3, K9, K10, K15, K18, K19, K33, K34 and K201) <u>HA-Z220</u> Soft carrying bag</p>	<p>EUR 9.410,-</p>	<p><b>EUR 5.834,20</b> <b>-38%</b></p>
	<p><b>RTM3K-COM4</b> Ser. N. 102641</p>	<p>Digital 4 channel oscilloscope, 100 MHz/ Paket <b>consisting of:</b> <u>RTM-B2410</u> 1 GHz Bandwidth <u>RTM-B1</u> Mixed Signal Option <u>RTM-PK1</u> Application Bundle</p>	<p>EUR 8.600,-</p>	<p><b>EUR 6.880,-</b> <b>-20%</b></p>



**RTM3004**

Ser. N. 100768

Digital 4 channel oscilloscope,  
100 MHz-1GHz 5 GSa/s, sample  
memory up to 80MSa, ADC  
resolution 10 bit, 10" capacitive touch

**incl. following Options**

**/Accessories:**

RTM-B243 350 MHz Bandwidth

RTB-Z1 Front cover

RTB-Z3 Protection and transport  
case

EUR 7.945,-

**EUR 4.925,90**

**-38%**



**RTM3004**

Ser. N. 100657

Digital 4 channel oscilloscope,  
100 MHz-1GHz 5 GSa/s, sample  
memory up to 80MSa, ADC  
resolution 10 bit, 10" capacitive touch

**incl. following Options**

**/Accessories:**

RTM-B2410\_1 GHz Bandwidth

RTM-B1 Mixed Signal

RTB-PK1 Application Bundle

contains R&S®RTM-K1, 2, 3, 5,  
6, 7, 15, 31, 36 and 37

RTB-Z1 Front cover

RTB-Z3 Protection and transport  
case

EUR 8.865,-

**EUR 5496,29**

**-38%**



**RTO2002**

Ser. N. 100929

Digital oscilloscope,  
2 channels, 600MHz bandwidth,  
sampling rate 10GSa/s per  
channel, sampling memory  
50MSa per channel /  
max. 100MSa (1 channel),  
two 500MHz passive voltage  
probes

**incl. following Accessories:**

RTO-Z1 Front cover

EUR 15.542,25

**EUR 8.714,48**

**-44%**



RTP084

Ser. N. 100951

High-performance oscilloscope R&S®RTP with 8 GHz bandwidth and 20 GSa/s sampling rate on 4 channels.

**incl. following Options**

**/Accessories:**

RTP-B1 Mixed Signal 400MHz  
RTP-B7 Differential 16 GHz pulse source

RTP-Z1 Front cover

RTP-Z6 Travel hard case for R&S®RTP

RT-ZA17 SMA measurement

RT-ZF30 Test fixture for probe characterization with 16 GHz pulse

RT-ZMA40 16 GHz SMA module,

RT-ZB2 USB 3.1 Demo board 1, Compliance Mode, SMA connectors

RT-ZB3 USB 3.1 Demo board 2,

Data Probing, incl. RT-ZMA10

solder-in probe tip, additional

probing pins for RT-ZVC multi channel power probe

EUR 123.630,75

EUR 69.268,88

**-44%**

OSCILLOSCOPE - EQUIPMENTS

Product	Type	Description	List Price	Promotional Price
	RT-ZAP Ser. N. 101053	3D positionier with central tensioning knob for easy clamping and positioning of probes	EUR 770,-	EUR 477,40 <b>-38%</b>
	RT-ZA13 Ser. N. 101053	Power supply for probes, +/-12V DC, +/-2.5A	EUR 960,-	EUR 595,20 <b>-38%</b>
	RT-ZA15 Ser. N. 101474	Ext. attenuator 10:1, 2.0 GHz, 1.3pf, 60 VDC, 42 VACpeak, for R&S®RT-ZD10/20/30	EUR 980,-	EUR 607,60 <b>-38%</b>
	RT-ZC20 Ser. N. 103222	100MHz current probe, AC/DC, 30Arms, 50A peak, 5mm diameter, BNC connector, +/-12V power supply required, R&S®RT-ZA13 recommended  Note: RT-ZA13 required	EUR 3.420,-	EUR 2.120,40 <b>-38%</b>
	RT-ZC30 Ser. N. 101189	120 MHz current probe, AC/DC, 5 Arms, 7.5 A Peak, 1 V/A, 5 mm diameter, BNC connector, +/-12V power supply required, R&S®RT-ZA13 recommended  Note: RT-ZA13 required	EUR 4.090,-	EUR 2.535,80 <b>-38%</b>
	RT-ZHD07 Ser. N. 101050	200 MHz high voltage differential probe, 750 Vpk, 300 V CAT III, 250:1/25:1, 5 MOhm // 2,0 pF (differential)	EUR 2.030,-	EUR 1.258,60 <b>-38%</b>

	<b>RT-ZHD60</b> Ser. N.101050	100 MHz high voltage differential probe, 6000 Vpk, 1000 V CAT III, 1000:1/100:1, 40 MOhm // 2,0 pF (differential)	EUR 3.510,-	<b>EUR 2.176,20</b> <i>-38%</i>
	<b>RT-ZMA40</b> Ser. N. 100702	16 GHz SMA module, 2.92 mm/3.5 mm/SMA, 100 Ohm diff., DC-termination, MultiMode compatible	EUR 4.105,50	<b>EUR 2.301,94</b> <i>-44%</i>
	<b>RT-ZM30</b> Ser. N. 101443	3 GHz modular probe amplifier, MultiMode for differential, single-ended, and common mode, 1.2m cable, 400kOhm diff., 200kOhm se., ProbeMeter, micro button requires FW 3.35 or higher (R&S®RTO and R&S®RTE Oscilloscopes) <b>Incl. Following Accessories:</b> <u>RT-ZMA12</u> 6 GHz tip-cable square pin, for 1.27 mm pinheader, 15 cm length, MultiMode compatible <u>RT-ZMA30</u> 16 GHz browser module, variable span 0.5 mm - 8 mm, spring-loaded	EUR 9.809,50	<b>EUR 5.500,15</b> <i>-44%</i>
	<b>RT-ZM90</b> Ser. N. 101515	9 GHz modular probe amplifier, MultiMode for differential, single-ended, and common mode, 1.2m cable, 400kOhm diff., 200kOhm se., ProbeMeter, micro button requires FW 3.35 or higher	EUR 8.797,50	<b>EUR 4.932,72</b> <i>-44%</i>

	<b>RT-ZM90</b> Ser. N. 101437	9 GHz modular probe amplifier, MultiMode for differential, single-ended, and common mode, 1.2m cable, 400kOhm diff., 200kOhm se., ProbeMeter, micro button requires FW 3.35 or higher <b>Incl. Following Accessories:</b> <u>RT-ZMA10</u> 16 GHz tip-cable solder-in, 15 cm length, MultiMode compatible <u>RT-ZMA12</u> 6 GHz tip-cable square pin, for 1.27 mm pinheader, 15 cm length, MultiMode compatible <u>RT-ZMA15</u> 12 GHz tip-cable quick connect, for solder-in resistor connection, 15 cm length, MultiMode compatible	EUR 11.615,-	<b>EUR 6.512,49</b> -44%
	<b>RT-ZPR20</b> Ser. N. 101493	2.0 GHz Power Rail Probe, 1:1, 50 kOhm, 60V Offset, ProbeMeter, AC/DC Coupling, incl. SMA-cable 1.2m, Power Rail Browser	EUR 2.828,80	<b>EUR 1.753,86</b> -38%
	<b>RT-ZS30</b> Ser. N. 102113	3.0GHz voltage probe, active, single-ended, 1MOhm, 0.8pF, ProbeMeter, Micro button, 1.2m cable; including accessories	EUR 4.340,-	<b>EUR 2.690,80</b> -38%
	<b>RT-ZS60</b> Ser. N. 101859	6.0GHz voltage probe, active, single-ended, 1MOhm, 0.3pF, ProbeMeter, microbutton, 1.2m cable, including accessories	EUR 5.810,-	<b>EUR 3.602,20</b> -38%
	<b>RT-Z2T</b> Ser. N. 102113	Tektronix TekProbe level 2 probe adapter for R&S oscilloscopes, 4GHz bandwidth	EUR 1.092,-	<b>EUR 612,28</b> -44%

## NETWORK ANALYZERS

Product	Type	Description	List Price	Promotional Price
	ZND Ser. N. 100966	Vector Network Analyzer, 100 kHz to 4.5 GHz, 2 ports, unidirectional N(f) connectors	EUR 16 997,-	EUR 9.530,14 <b>-44%</b>
	ZND Ser. N. 100954	Vector Network Analyzer, 100 kHz to 4.5 GHz, 2 ports, unidirectional N(f) connectors <b>incl. following Accessories:</b> <u>2xFSH-Z320</u> RF cable (1m), DC to 8GHz, connectors N(m)/N(f), for DTF measurements	EUR 17.572,-	EUR 9.840,14 <b>-44%</b>
	ZNL6 Ser. N. 101501	Vector-Network Analyzer, 2 ports 5 kHz to 6 GHz, N(f) connectors <b>incl. following Options:</b> <u>ZNL6-B1</u> extends the functionality of the R&S®ZNL6 with a spectrum analysis function up to 6 GHz	EUR 29.934,50	EUR 20.574,11 <b>-32%</b>
	ZPH Ser. N. 101204	Handheld Cable and Antenna Analyzer 2MHz-3GHz, with bias tee and tracking generator, 2- ports transmission measurement <b>incl. following Accessories:</b> <u>FSH-Z103</u> Calibration Unit 50 Ohms 2 MHz to 4 GHz, 1-port, N (m)	EUR 4.350,-	EUR 2.697,- <b>-38%</b>
	ZVH4 Ser. N. 115542	Handheld cable and antenna analyzer, 100kHz to 3.6GHz <b>incl. following Accessories:</b> <u>FSH-Z29</u> Load/short/open. <u>FSH-Z320</u> RF cable (1m) <u>HA-Z220</u> Soft carrying bag	EUR 7.835,-	EUR 4.857,70 <b>-38%</b>

## CALIBRATION KITS

Product	Type	Description	List Price	Promotional Price
	<b>ZV-Z135</b> Ser. N. 101832	Calibration kit, 50 Ohm, 3.5mm(f), 0Hz to 15GHz, Open, Short, Match, Through combination	EUR 1 955,-	EUR 1.096,16 <span style="color: red; font-size: 1.5em; font-weight: bold; transform: rotate(-15deg); display: block;">-44%</span>
	<b>ZV-Z170</b> Ser. N. 101832	Calibration kit, 50 Ohm, N(f), 0 Hz to 9 GHz, Open, Short, Match, Through combination	EUR 1.541,-	EUR 864,03 <span style="color: red; font-size: 1.5em; font-weight: bold; transform: rotate(-15deg); display: block;">-44%</span>
	<b>ZV-Z235</b> Ser. N. 101298	Calibration kit 3.5mm, 0Hz to 24GHz, Open, Short, Match, Through m/f each	EUR 10.246,50	EUR 5.745,17 <span style="color: red; font-size: 1.5em; font-weight: bold; transform: rotate(-15deg); display: block;">-44%</span>



**POWER METER / POWER METER MEASURING HEADS**

Product	Type	Description	List Price	Promotional Price
	<b>NRP-ZKU</b> Ser. N. 103149 Ser. N. 103150	USB power sensor cable (1.5m), for NRPxxS/T/A/SN/TN/AN sensor operation with a Laptop/PC; powered via USB, connectors: M12(sensor side) - USB A	EUR 189,75	EUR 106,39 <b>-44%</b>
	<b>NRP-ZK8</b> Ser. N. 101115	Power sensor cable - 1.5m Connection of R&S®NRPxxS(N), R&S®NRPxxT(N), R&S®NRPxxA(N) to the R&S®NRX base unit Connectors: M12 - 8-pole	EUR 218,50	EUR 122,51 <b>-44%</b>
	<b>NRP-Z4</b> Ser. N. 138171	USB adapter (passive) for NRP-Z sensors powered via USB	EUR 189,75	EUR 106,39 <b>-44%</b>
	<b>NRP-Z81</b> Ser. N. 105365	Wideband Power Sensor 50MHz to 18GHz; 1nW to 100mW. 30MHz video bandwidth, N(m)	EUR 7.486,50	EUR 4.197,65 <b>-44%</b>
	<b>NRP6AN</b> Ser. N. 101241	Average power sensor LAN; 8 kHz to 6 GHz; 100pW to 200mW; N(m); LAN operation requires PoE (Power over Ethernet)	EUR 5.600,50	EUR 3.140,18 <b>-44%</b>
	<b>NRP8S</b> Ser. N. 107561	3 path diode power sensor, 10MHz to 8GHz, 100pW to 200mW, N(m), USB sensor cable R&S®NRP-ZKU or power sensor cable R&S®NRP-ZK6 required	EUR 3.921,50	EUR 2.198,77 <b>-44%</b>
	<b>NRQ6</b> Ser. N. 101499	Frequency selective power sensor 50 MHz to 6 GHz -130 dBm to +20 dBm N(m)	EUR 10.925,-	EUR 6.125,60 <b>-44%</b>



**NRX**

Ser. N. 100802

Base unit for R&S®NRP and R&S®NRT power sensors (R&S®NRT sensors require R&S®NRX-B9); 2 R&S®NRP sensor connectors; 1 measurement channel; 5" touch display; USB and LAN interface

**incl. following Options:**

NRX-B1 Removable sensor check source, 50 MHz and 1 GHz reference source, CW and pulse mode, for R&S®NRP power sensor verification (hardware option)

EUR 4.979,50

**EUR 2.791,98**

**-44%**

## Probes

Product	Type	Description	List Price	Promotional Price
	<b>NRP-ZAP1</b> Ser. Nr 101950 Ser. Nr 101717	8-Port Gigabit Ethernet Switch 4 Ports 1000BASE-T PoE+, 4 Ports 1000BASE-T	EUR 172.00,-	EUR 96,72 <i style="color: red; font-size: 2em; font-weight: bold;">-44%</i>

## POWER SUPPLIES / CUNTER / MULITMETER




Product	Type	Description	List Price	Promotional Price
	<b>HMC8012</b> Ser. Nr. 103228	5 3/4-Digit Multimeter, 480000 counts, basic accuracy 0.015% (DC), Ethernet/USB, USB stick connector	EUR 778,-	EUR 482,36 <i style="color: red; font-size: 2em; font-weight: bold;">-38%</i>
	<b>HMC8015</b> Ser. N. 100840	Power Analyzer, up to 600 V(RMS), up to 20 A(RMS), DC to 100 kHz, 500kSa, apparent power, effective power, reactive power, power factor, logging, LAN (LXI, USB (TMC/VCP) <b>incl. following Options:</b> HZC815-EU Mains Adapter for HMC8015 Power analyzer, EU socket	EUR 2.015,-	EUR 1.249,30 <i style="color: red; font-size: 2em; font-weight: bold;">-38%</i>
	<b>HMC8043</b> Ser. N. 101383 Ser. N. 101392	3 channel power supply, 0V to 32V/3A, max. 100W, resolution 1mV/0.1mA, tracking, EasyArb, electronic fuse, FuseLink, USB stick connector, Ethernet/USB	EUR 1.250,-	EUR 775,- <i style="color: red; font-size: 2em; font-weight: bold;">-38%</i>
	<b>HMF2525</b> Ser. N. 101429	25MHz Arbitrary Function Generator, 10µHz to 25MHz, 5mV to 10V (Vpp) at 50Ohm, 5 signal waveforms and arbitrary, (250Msample/s, 14bit, 256k), AM, FM, PM, PWM, FSK, Sweep, Burst, 3.5" TFT, USB/RS-232, incl. software	EUR 1.520,-	EUR 942,- <i style="color: red; font-size: 2em; font-weight: bold;">-38%</i>

	<b>HMF2550</b>	50-MHz- Arbitrary Function Generator, 10µHz to 50MHz, 5mV to 10V (Uss) at 500hm, 5 signal waveforms and arbitrary, (250Msample/s, 14bit, 256k), AM, FM, PM, PWM, FSK, Sweep, Burst, 3,5" TFT, USB/RS-232	EUR 1.840,-	<b>EUR 1.140,80</b>
	<b>HMP2030</b>	Three-channel power supply, 0V to 32V, max. 5A per channel, max. 188W total, resolution 1mV, 1mA to 0.1 mA, sense, tracking, EasyArb, electronic fuse, FuseLink, USB-/LAN interface	EUR 1.530,-	<b>EUR 948,60</b>
	<b>NGE103B</b>	3-channel power supply, 0 to 32 V / 3 A, max. 99 W, resolution 10 mV / 1 mA, tracking, EasyArb, electronic fuse, FuseLink, USB interface	EUR 790,-	<b>EUR 489,80</b>
	<b>NGL202</b>	Two-channel power supply, 0 V to 20 V, max. 6 A per channel, max. 120 W total, electronic load (max. 20 V / 3 A), resolution up to 10 µV / 10 µA, sense, electronic fuse, FuseLink, QuickArb, logging, USB/LAN interface	EUR 2.900,-	<b>EUR 2.204,-</b>
	<b>NGM201</b>	Single-channel power supply, 0 V to 20 V max. 6 A, max. 60 W, electronic load (max. 20 V / 3 A), resolution up to 5 µV / 10 nA, sense, electronic fuse, QuickArb, FastLog, USB/LAN interface	EUR 3.300,-	<b>EUR 2.508,-</b>



EMC – MEASURING TECHNOLOGY



Product	Type	Description	List Price	Promotional Price
	<p><b>EMCSET2</b></p> <p>Ser. N. 101072</p>	<p>Device set consisting of:                      V-two-wire network simulation                      HM6050-2 spectrum analyzer                      HMS-X basic device HMS-3G                      3GHz extension HMS-EMC                      preamplifier EMC field probe                      HZ540</p>	EUR 7.620,-	<p>EUR 4.724,40</p> <p><b>-38%</b></p>
	<p><b>ENV216</b></p> <p>Ser. N. 102401</p>	<p>2-Line V-Network, 9kHz to 30 MHz, 16A continuous current, for disturb. voltage measurements, Mains connectors for Germany, incl. calibration certificate and report</p>	EUR 3.001,50	<p>EUR 1.682,93</p> <p><b>-44%</b></p>
	<p><b>HZ-15</b></p> <p>Ser. N. 102795</p>	<p>HZ-15 Probe set for E and H nearfield emissions 30 MHz to 3 GHz</p>	EUR 2.090,40	<p>EUR 1.172,08</p> <p><b>-44%</b></p>
	<p><b>HZ-15</b></p> <p>Ser. N. 103527</p>	<p>HZ-15 Probe set for E and H nearfield emissions 30 MHz to 3 GHz</p>	EUR 2.090,40	<p>EUR 1.436,74</p> <p><b>-32%</b></p>
	<p><b>TS-EMF</b></p> <p>Ser. N. 101064</p>	<p>Portable EMF measurement system consisting of software, converter and hard case, requires antenna TSEMF-Bx, without spectrum analyzer and laptop  <b>incl. following Options:</b>                      Isotropic antenna 30 MHz to 3 GHz for TS-EMF</p>	EUR 12.121,-	<p>EUR 6.796,19</p> <p><b>-44%</b></p>

## MEASURING RECEIVER

Product	Type	Description	List Price	Promotional Price
	<b>ESRP3</b> Ser. N. 102066	EMI test receiver 9kHz to 3.6GHz for precertification measurements, with touch screen <b>incl. following Options /Accessories:</b> <u>ESRP-B2</u> Preselection and preamplifier for EMI test receiver <u>ESRP-K53</u> Time-Domain-Scan, FFT based scan for fast EMI measurements	EUR 38.571,-	EUR 21.626,59 <span style="color: red; font-size: 2em; font-weight: bold; transform: rotate(-15deg); display: block;">-44%</span>
	<b>ESRP7</b> Ser. N. 101381	EMI test receiver 9kHz to 7GHz, for precertification measurements, with touch screen <b>incl. following Options:</b> <u>ESRP-B2</u> Preselection and preamplifier for EMI test receiver <u>ESRP-K53</u> Time-Domain-Scan, FFT based scan for fast EMI measurements	EUR 48.576,-	EUR 33.386,49 <span style="color: red; font-size: 2em; font-weight: bold; transform: rotate(-15deg); display: block;">-32%</span>
	<b>ESR7</b> Ser. N. 102151	EMI test receiver 9kHz to 7GHz, for certification measurements according to CISPR 16-1-1, with touch screen <b>incl. following Options:</b> <u>ESR-B50</u> Hardware for Time Domain Scan and real-time measurements	EUR 72.726,-	EUR 49.984,89 <span style="color: red; font-size: 2em; font-weight: bold; transform: rotate(-15deg); display: block;">-32%</span>

MOBILE NETWORK TESTING

Product	Type	Description	List Price	Promotional Price
	<p><b>TSMA</b> Ser. N. 100301</p>	<p>TSMA Autonomous Mobile Network Scanner 350 MHz - 4,4 GHz, 1 receiver with 20 MHz bandwidth, integrated GPS, Bluetooth and WiFi, 12V DC operation. Inkl. GPS antenna, dipole antennae, Bluetooth and WiFi antennas, DC cable. <b>incl. following Options</b> <b>/Accessories:</b> <u>TSMA-K61</u> QualiPoc Support <u>TSMA-K60</u> Remote ViCom <u>TSMA-K300</u> MIMO Extension <u>TSMA-BP</u> Battery Pack Unit 2x <u>TSMA-BAT</u> Rechargeable battery for Battery Pack <u>TSMA-ZCB</u> Carrying Bag</p>	EUR 9.752,-	<p>EUR 5.454,76</p> <p><b>44%</b></p>
	<p><b>TSME</b> Ser. N. 100192</p>	<p>TSME Ultracompact Drive Test Scanner 350 MHz - 4.4 GHz 1 receiver with 20 MHz bandwidth integrated GPS, 12V DC operation. Incl. GPS antenna, DC cable. <b>incl. following Accessories:</b> <u>2xTSME-ZA1</u> Antenna-mount magnetic, frequency range 380MHz to 6GHz, ProFlex Plus 195 solid cable 3.65 m with mounted SMA connector, model: GMLFML195C, requires antenna emitter TSMW-ZEx <u>2xTSME-ZE8</u> Antenna Emitter 698 MHz to 2700 MHz Model: BMLPVMB/LTE Requires antenna mount: TSMW-ZAx or TSME-ZAx <u>TSME-Z1</u> Power supply, Uin 90-264VAC, Uout +12VDC/ 2,5A, input adapter for EU,USA,UK,AUS with PSE DC connector fits for TSME <u>TSME-Z5</u> Carrier Box for one or two TSME and accessories 410mm x 325mm x 166mm, incl. tailored foam inlet; handle; acc. to MIL-Std-B10F, FED Std-101C,ATA300; Type: B&amp;W Type 40Stormcase IM2600,</p>	EUR 4.693,99	<p>EUR 2.631,90</p> <p><b>44%</b></p>

	<p><b>TSME6</b> Ser. N. 101122</p>	<p>TSME6 Ultracompact Drive Test Scanner 6GHz 350 MHz - 6 GHz, 1 receiver with 20 MHz bandwidth, integrated GPS, 12V DC operation, incl. GPS antenna, DC cable.</p>	<p>EUR 4.025,-</p>	<p><b>EUR 2.256,80</b> <b>-44%</b></p>
	<p><b>TSME6</b> Ser. N. 101120</p>	<p>TSME6 Ultracompact Drive Test Scanner 6GHz 350 MHz - 6 GHz, 1 receiver with 20 MHz bandwidth, integrated GPS, 12V DC operation, incl. GPS antenna, DC cable. <b>incl. following Accessories:</b> <u>TSME-Z1</u> Power supply</p>	<p>EUR 4.168,75</p>	<p><b>EUR 2.334,30</b> <b>-44%</b></p>



**WIRELESS COMMUNICATION**

Product	Type	Description	List Price	Promotional Price
	<b>CMA180</b> Ser.N. 100524	Radio Test Set <b>incl. following Options</b> <b>/Accessories:</b> <u>CMA-PS180</u> Basic Assembly PS181, 0,1 MHz to 3GHz <u>CMA-S052M</u> Solid State Disk H052M <u>CMA-S054B</u> Power supply R&S®PSU300, AC, H054B, 110V to 230V, 300W <u>CMA-B690M</u> OCXO Reference Oscillator, High Performance, H690M <u>CMA-B110B</u> Baseband Generator H110B, 1GB <u>CMA-Z025A</u> Soft case	EUR 27.301,-	<b>EUR 15.307,56</b> <i>44%</i>
	<b>CMA180</b> Ser.N. 101490	Radio Test Set <b>incl. following Options</b> <b>/Accessories:</b> <u>CMA-PS181</u> Basic Assembly PS181, 0,1 MHz to 3GHz <u>CMA-S052N</u> Solid State Disk H052M <u>CMA-S054B</u> Power supply R&S®PSU300, AC, H054B, 110V to 230V, 300W <u>CMA-B690M</u> OCXO Reference Oscillator H690M, High Performance <u>CMA-B110B</u> Baseband Generator H110B, 1GB <u>CMA-Z025A</u> Soft case <u>CMA-Z030A</u> Display protection cover <u>CMA-Z650A</u> Feed-Through Termination BNC, 600 Ohm, 2W, 2 pcs.	EUR 28.359,-	<b>EUR 15.900,78</b> <i>44%</i>
	<b>CMA180</b> Ser.N. 101473	Radio Test Set <b>incl. following Options</b> <b>/Accessories:</b> <u>CMA-PS181</u> Basic Assembly PS181, 0,1 MHz to 3GHz <u>CMA-S052N</u> Solid State Disk H052M <u>CMA-S054B</u> Power supply R&S®PSU300, AC, H054B, 110V to 230V, 300W <u>CMA-Z025A</u> Soft case <u>CMA-Z030A</u> Display protection cover	EUR 23.632,50	<b>EUR 13.250,64</b> <i>44%</i>



**CMW290**

Ser.N. 101517

Functional Radio Communication Tester

**incl. following Options**

**/Accessories:**

CMW-PS290 Basic Assembly 70 MHz to 3.3 G

CMW-S600G frontpanel without display / keypad, including DVI interface

CMW-B110A Baseband-Generator, 1GByte ARB memory

CMW-B270A WLAN Signaling Modul for SUU

CMW-KB036 Extended frequency range, 3.3 GHz to 6 GHz, per RF converter,

CMW-PK290 Functional Tester Bundle, includes basic signal and measurements for GSM WCDMA LTE WLAN CDMA2000® 1xRTT / 1xEV-DO

CMW-B612A IEEE Bus, one interface (slave), retrofittable in R&S Service, CMW module H612A

EUR 66.803,50

**EUR 37.456,40**

**-44%**



**CMW290**

Ser.N. 101518

Functional Radio Communication Tester

**incl. following Options**

**/Accessories:**

CMW-PS290 Basic Assembly 70 MHz to 3.3 G

CMW-S600G frontpanel without display / keypad, including DVI interface

CMW-B110A Baseband-Generator, 1GByte ARB memory

CMW-B270A WLAN Signaling Modul for SUU

CMW-KB036 Extended frequency range, 3.3 GHz to 6 GHz, per RF converter,

CMW-PK290 Functional Tester Bundle, includes basic signal and measurements for GSM WCDMA LTE WLAN CDMA2000® 1xRTT / 1xEV-DO

EUR 66.286,02

**EUR 37.166,29**

**-44%**



## CMW500

Ser.N. 167865

Wideband Radio Communication  
Tester

EUR 106.225,50

EUR 73.009,26

**incl. following Options**

### **/Accessories:**

CMW-PS505 Basic Assembly (mainframe), 70 MHz bis 3.3 GHz  
CMW-S052S Solid State Drive  
CMW-S100H Measurement Unit Advanced (MUA) with ARB Generator  
CMW-S550N: Baseband interconnection, flexible link, for non-signaling/signaling/multi-CMW and IQ access  
CMW-S570H RF Converter (TRX), RF bandwidth 160 MHz,  
CMW-S590D RF Frontend, advanced functionality,  
CMW-S600B CMW500 frontpanel with display/keypad,  
CMW-B500I Signaling Unit Advanced (SUA)  
CMW-B540I Digital IQ Interface QUAD, delivered with cable set,  
CMW-B554N Multi-CMW PCIe enabler, delivered with cable set,  
CMW-B570H Extra RF Converter (TRX)  
CMW-B590D Extra RF Frontend, advanced functionality,  
CMW-B620A Digital Video Interface (DVI)  
CMW-B660H Option Carrier  
CMW-B661H Ethernet Switch  
CMW-B690B OCXO  
CMW-PK364 6GHz Flat Rate, enabling extended frequency range 3.3GHz to 6GHz on up to 4 RF converters

**-32%**

TV ANALYZER / BROADCAST TESTER

Product	Type	Description	List Price	Promotional Price
	ETL Ser.N. 105183	TV-Analysator 500kHz ... 3 GHz <b>incl. following Options</b> <b>/Accessories:</b> <u>ETL-K340</u> DVB-T2 Firmware <u>ETL-B203</u> RF Preselector <u>ETL-B300</u> FPGA extension board <u>ETL-B380</u> AV Decoder and TS Processing <u>ETL-K282</u> MPEG Analysis/Monitoring <u>EVS-Z6</u> Protective hard cover	EUR 52.152,50	EUR 29.241,69 <b>-44%</b>
	ETL Ser. N. 103893	TV-Analysator 500kHz ... 3 GHz <b>incl. following Options:</b> <u>ETL-K250</u> T-DMA DAB <u>ETL-B203</u> RF Preselector <u>ETL-B310</u> FPGA Ext. Board High SNR FM <u>ETL-K208</u> Measurement Log <u>ETL-K251</u> T-DMB/DAB SFN Frequency Offset	EUR 53.659,-	EUR 30.086,37 <b>-44%</b>
	SFC Ser. N. 101859	Compact Modulator Basic instrument Coder option(s) required <b>incl. following Options</b> <u>SFC-K1</u> DVB-T, DVB-H <u>SFC-K16</u> DVTB-T2 realtime coder <u>SFC-B15</u> Coder extension, additional FPGA board <u>SFC-K83</u> Frequency range extension, 30 MHz to 3 GHz <u>SFC-K22</u> Transport stream player <u>SFC-K23</u> Analog TV video generator, PAL, NTSC, SECAM, Colorbars and FuBK test pattern	EUR 9.850,-	EUR 6.107, <b>-38%</b>
	SFE Ser. N. 122034	Broadcast Tester <b>incl. following Options</b> <u>SFC-K16</u> DVTB-T2 <u>SFC-B15</u> Coder extension	EUR 21.919,-	EUR 12.289,89 <b>-44%</b>

**Conditions of delivery:** CIP ship-to location Austria, according to INCOTERMS 2020  
**Conditions of payment:** by arrangement  
**Guarantee:** 12 months  
**Note:** Subject to prior sale! Sale according to First-Come-First-Serve principle.  
All product pictures are symbolic photos.

The demo devices will be delivered with current calibration.

Prices excl. VAT

Our General Terms and Conditions shall apply to all contracts, deliveries and other services. Edition: March 2011!

### Contact

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