

ORDERING INFORMATION

Designation	Type	Frequency range	Order No.
Base kit			
Handheld vector network analyzer, two-port, 4 GHz, type N	R&S®ZNH4		1321.1611.04
Handheld vector network analyzer, two-port, 8 GHz, type N	R&S®ZNH8		1321.1611.08
Handheld vector network analyzer, two-port, 18 GHz, type N	R&S®ZNH18		1321.1611.18
Handheld vector network analyzer, two-port, 26 GHz, PC 3.5 mm	R&S®ZNH26		1321.1611.26
Accessories supplied			
Lithium-ion battery pack, USB cable, AC power supply with country-specific adapters for EU, GB, USA, AUS, CH, getting started manual, side strap			
Software options			
Power sensor support	R&S®ZNH-K9		1334.6800.02
Pulse measurements with power sensor	R&S®ZNH-K29		1334.6823.02
DC bias variable voltage source	R&S®ZNH-K10		1334.6846.02
Vector voltmeter	R&S®ZNH-K45		1334.6852.02
Wave ratios and wave quantities	R&S®ZNH-K66		1334.6869.02
Calibration and verification			
Calibration kit, 50 Ω	R&S®ZCAN	0 Hz to 3 GHz	0800.8515.52
Calibration kit, 75 Ω	R&S®ZCAN	0 Hz to 3 GHz	0800.8515.72
Calibration kit, 50 Ω (combined open/short)	R&S®FSH-Z28	0 Hz to 8 GHz	1300.7810.03
Calibration kit, 50 Ω (combined open/short)	R&S®FSH-Z29	0 Hz to 3.6 GHz	1300.7510.03
Calibration kit, type N (m), 50 Ω (combined open/short/through calibration standard)	R&S®ZV-Z170	0 Hz to 9 GHz	1317.7683.02
Calibration kit, type N (f), 50 Ω (combined open/short/through calibration standard)	R&S®ZV-Z170	0 Hz to 9 GHz	1317.7683.03
Calibration kit, 3.5 mm (m), 50 Ω (combined open/short/through calibration standard)	R&S®ZV-Z135	0 Hz to 15 GHz	1317.7677.02
Calibration kit, 3.5 mm (f), 50 Ω (combined open/short/through calibration standard)	R&S®ZV-Z135	0 Hz to 15 GHz	1317.7677.03
Calibration kit	R&S®ZN-Z103	2 MHz to 4 GHz	1321.1828.02
Calibration kit	R&S®ZN-Z103	1 MHz to 6 GHz	1321.1828.12
Calibration kit, 3.5 mm (m)	R&S®ZN-Z135	0 Hz to 26.5 GHz	1328.8157.02
incl. DCV data on CD	R&S®ZN-Z135	0 Hz to 26.5 GHz	1328.8157.12
incl. accredited calibration	R&S®ZN-Z135	0 Hz to 26.5 GHz	1328.8157.22
Calibration kit, 3.5 mm (f)	R&S®ZN-Z135	0 Hz to 26.5 GHz	1328.8157.03
incl. DCV data on CD	R&S®ZN-Z135	0 Hz to 26.5 GHz	1328.8157.13
incl. accredited calibration	R&S®ZN-Z135	0 Hz to 26.5 GHz	1328.8157.23
Calibration kit, type N (m)	R&S®ZN-Z170	0 Hz to 18 GHz	1328.8163.02
incl. DCV data on CD	R&S®ZN-Z170	0 Hz to 18 GHz	1328.8163.12
incl. accredited calibration	R&S®ZN-Z170	0 Hz to 18 GHz	1328.8163.22
Calibration kit, type N (f)	R&S®ZN-Z170	0 Hz to 18 GHz	1328.8163.03
incl. DCV data on CD	R&S®ZN-Z170	0 Hz to 18 GHz	1328.8163.13
incl. accredited calibration	R&S®ZN-Z170	0 Hz to 18 GHz	1328.8163.23
Calibration kit, 3.5 mm (open/short/match/through male and female each)	R&S®ZN-Z235	0 Hz to 26.5 GHz	1336.8500.02
Test cables			
3.5 mm (f) to 3.5 mm (m)			
length: 0.6 m	R&S®ZV-Z93	0 Hz to 26.5 GHz	1301.7595.25
length: 1.0 m	R&S®ZV-Z93	0 Hz to 26.5 GHz	1301.7595.38
2.92 mm (f) to 2.92 mm (m)			
length: 0.6 m	R&S®ZV-Z95	0 Hz to 40 GHz	1301.7608.25
length: 1.0 m	R&S®ZV-Z95	0 Hz to 40 GHz	1301.7608.38
Type N (m) to type N (m)			
length: 0.6 m	R&S®ZV-Z191	0 Hz to 18 GHz	1306.4507.24
length: 1.0 m	R&S®ZV-Z191	0 Hz to 18 GHz	1306.4507.36

Designation	Type	Frequency range	Order No.
Type N (m) to 3.5 mm (m)			
length: 0.6 m	R&S®ZV-Z192	0 Hz to 18 GHz	1306.4513.24
length: 1.0 m	R&S®ZV-Z192	0 Hz to 18 GHz	1306.4513.36
3.5 mm (f) to 3.5 mm (m)			
length: 0.6 m	R&S®ZV-Z193	0 Hz to 26.5 GHz	1306.4520.24
length: 0.9 m	R&S®ZV-Z193	0 Hz to 26.5 GHz	1306.4520.36
length: 1.5 m	R&S®ZV-Z193	0 Hz to 26.5 GHz	1306.4520.60
2.92 mm (f) to 2.92 mm (m)			
length: 0.6 m	R&S®ZV-Z195	0 Hz to 40 GHz	1306.4536.24
length: 0.9 m	R&S®ZV-Z195	0 Hz to 40 GHz	1306.4536.36
Power sensors			
Power sensors supported by R&S®ZNH-K9 (for average power measurement) and wideband power sensors supported by R&S®ZNH-K29 (for pulse measurement)			
Directional power sensor	R&S®FSH-Z14	25 MHz to 1 GHz	1120.6001.02
Directional power sensor	R&S®FSH-Z44	200 MHz to 4 GHz	1165.2305.02
Universal power sensor, 100 mW, two-path	R&S®NRP-Z211	10 MHz to 8 GHz	1417.0409.02
Universal power sensor, 100 mW, two-path	R&S®NRP-Z221	10 MHz to 18 GHz	1417.0309.02
Wideband power sensor, 100 mW	R&S®NRP-Z81	50 MHz to 18 GHz	1137.9009.02
Wideband power sensor, 100 mW (2.92 mm)	R&S®NRP-Z85	50 MHz to 40 GHz	1411.7501.02
Wideband power sensor, 100 mW (2.40 mm)	R&S®NRP-Z86	50 MHz to 40 GHz	1417.0109.40
Wideband power sensor, 100 mW (2.40 mm)	R&S®NRP-Z86	50 MHz to 44 GHz	1417.0109.44
Three-path diode power sensor, 100 pW to 200 mW	R&S®NRP8S	10 MHz to 8 GHz	1419.0006.02
Three-path diode power sensor, 100 pW to 200 mW	R&S®NRP18S	10 MHz to 18 GHz	1419.0029.02
Three-path diode power sensor, 100 pW to 200 mW	R&S®NRP33S	10 MHz to 33 GHz	1419.0064.02
Three-path diode power sensor, 100 pW to 200 mW	R&S®NRP40S	50 MHz to 40 GHz	1419.0041.02
Three-path diode power sensor, 100 pW to 200 mW	R&S®NRP50S	50 MHz to 50 GHz	1419.0087.02
Thermal power sensor, 300 nW to 100 mW	R&S®NRP18T	0 Hz to 18 GHz	1424.6115.02
Thermal power sensor, 300 nW to 100 mW	R&S®NRP33T	0 Hz to 33 GHz	1424.6138.02
Thermal power sensor, 300 nW to 100 mW	R&S®NRP40T	0 Hz to 40 GHz	1424.6150.02
Thermal power sensor, 300 nW to 100 mW	R&S®NRP50T	0 Hz to 50 GHz	1424.6173.02
Thermal power sensor, 300 nW to 100 mW	R&S®NRP67T	0 Hz to 67 GHz	1424.6196.02
Thermal power sensor, 300 nW to 100 mW	R&S®NRP90T	0 Hz to 90 GHz	1424.6473.02
Thermal power sensor, 300 nW to 100 mW	R&S®NRP110T	0 Hz to 110 GHz	1424.6215.02
Average power sensor, 100 pW to 200 mW	R&S®NRP6A	8 kHz to 6 GHz	1424.6796.02
Average power sensor, 100 pW to 200 mW	R&S®NRP18A	8 kHz to 18 GHz	1424.6815.02
R&S®FSH-Zxx power sensors require the following adapter cable for operation with the R&S®ZNH			
USB adapter cable to connect R&S®FSH-Z14/R&S®FSH-Z44 to the R&S®ZNH, length: 1.8 m	R&S®FSH-Z144		1145.5909.02
R&S®NRP-Zxx power sensors require the following adapter cable for operation with the R&S®ZNH			
USB adapter cable (passive) to connect R&S®NRP-Zxx to the R&S®ZNH, length: 2 m	R&S®NRP-Z4		1146.8001.02
R&S®NRP power sensors require the following adapter cable for operation with the R&S®ZNH			
USB interface cable to connect R&S®NRP to the R&S®ZNH, length: 1.5 m	R&S®NRP-ZKU		1419.0658.03
Optical power sensors and accessories			
RF cable, armored, type N (m) and type N (f) connectors, length: 1 m	R&S®FSH-Z320	0 Hz to 8 GHz	1309.6600.00
RF cable, armored, type N (m) and type N (f) connectors, length: 3 m	R&S®FSH-Z321	0 Hz to 8 GHz	1309.6617.00
Attenuator, 50 W, 20 dB, 50 Ω, type N (f) to type N (m)	R&S®RDL50	0 Hz to 6 GHz	1035.1700.52
Attenuator, 100 W, 20 dB, 50 Ω, type N (f) to type N (m)	R&S®RBU100	0 Hz to 2 GHz	1073.8495.20
Attenuator, 100 W, 30 dB, 50 Ω, type N (f) to type N (m)	R&S®RBU100	0 Hz to 2 GHz	1073.8495.30
OEM USB optical power meter (germanium)	R&S®HA-Z360		1334.5162.00

Designation	Type	Frequency range	Order No.
OEM USB optical power meter (filtered InGaAs)	R&S®HA-Z361		1334.5179.00
SC adapter for optical power meter	R&S®HA-Z362		1334.5185.00
LC adapter for optical power meter	R&S®HA-Z363		1334.5191.00
2.5 mm universal adapter for optical power meter	R&S®HA-Z364		1334.5204.00
1.25 mm universal adapter for optical power meter	R&S®HA-Z365		1334.5210.00
Patch cord, SC-LC SM, SX, length: 1 m	R&S®HA-Z366		1334.5227.00
Patch cord, SC-SC SM, SX, length: 1 m	R&S®HA-Z367		1334.5233.00
Recommended extras			
GPS receiver	R&S®HA-Z340		1321.1392.02
Matching pad, 50 Ω/75 Ω, L section	R&S®RAM		0358.5414.02
Matching pad, 50 Ω/75 Ω, series resistor 25 Ω	R&S®RAZ		0358.5714.02
Matching pad, 50 Ω/75 Ω, L section, type N to BNC	R&S®FSH-Z38		1300.7740.02
Battery charger for R&S®HA-Z306	R&S®HA-Z303		1321.1328.02
Lithium-ion battery pack, 6.4 Ah	R&S®HA-Z306		1321.1334.02
Spare power supply, incl. mains plug (for EU, GB, USA, AUS, CH)	R&S®HA-Z301		1321.1386.02
Car adapter	R&S®HA-Z302		1321.1340.02
Carrying holster	R&S®HA-Z322		1321.1370.02
Rainproof carrying holster	R&S®HA-Z322		1321.1370.03
Soft carrying bag	R&S®HA-Z220		1309.6175.00
Hardcase	R&S®HA-Z321		1321.1357.02
Hard shell protective carrying case	R&S®RTH-Z4		1326.2774.02
Spare USB cable	R&S®HA-Z211		1309.6169.00
Spare Ethernet cable	R&S®HA-Z210		1309.6152.00
Adapter type N (m) to BNC (f)			0118.2812.00
Adapter type N (m) to type N (m)			0092.6581.00
Adapter type N (m) to SMA (f)			4012.5837.00
Adapter type N (m) to 7/16 (f)			3530.6646.00
Adapter type N (m) to 7/16 (m)			3530.6630.00
Adapter type N (m) to FME (f)			4048.9790.00
Adapter BNC (m) to banana (f)			0017.6742.00

Warranty

Base unit	3 years
All other items ¹⁾	1 year

Options

Extended warranty, one year	R&S®WE1	Please contact your local Rohde & Schwarz sales office.
Extended warranty, two years	R&S®WE2	
Extended warranty with calibration coverage, one year	R&S®CW1	
Extended warranty with calibration coverage, two years	R&S®CW2	
Extended warranty with accredited calibration coverage, one year	R&S®AW1	
Extended warranty with accredited calibration coverage, two years	R&S®AW2	

¹⁾ For options that are installed, the remaining base unit warranty applies if longer than one year. Exception: all batteries have a one-year warranty.