

R&S® Cable Rider ZPH two-port model

Expect fast. Expect efficient. Expect more.



The perfect choice for

RF transmitter installation and maintenance

Spectrum clearance / Interference hunting

Transmission line measurements

Antenna measurements

Key specifications

Frequency range	2 MHz to 3/4 GHz (cable and antenna mode) 5 kHz to 3/4GHz (spectrum mode)
Measurement speed	0.3 ms/point
Data points	101 to 2501 points
Measurement mode (standard)	DTF, return loss, VSWR, one-port cable loss, loss, Smith chart, phase
Measurement mode (optional)	spectrum measurements, interference hunting, internal power meter, power measurements with power sensor, pulse measurements, modulation analysis
Max. permissible spurious signal	+17 dBm
Boot time	< 15 s
Battery operation time (full charge)	up to 9 hours
Weight	2.5 kg

Cost-saving solution – one box does it ALL

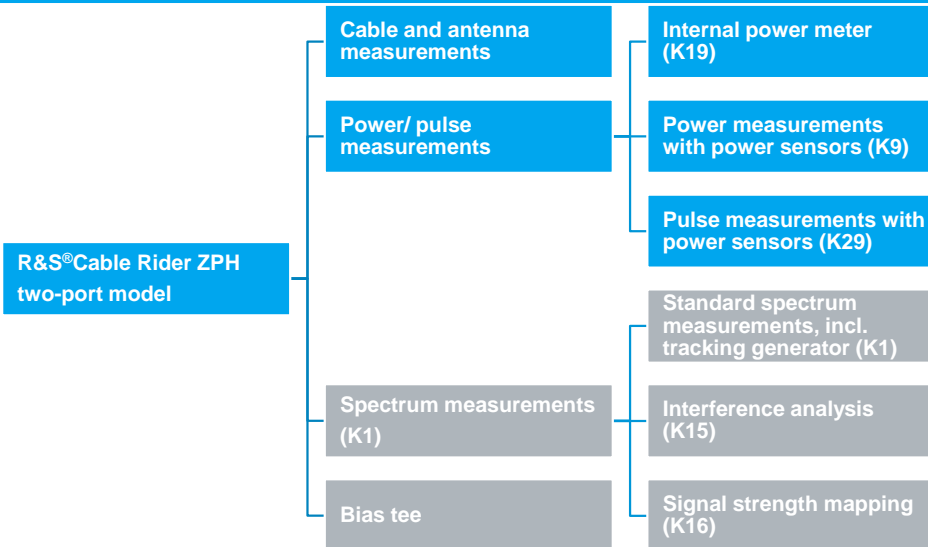
The R&S® Cable Rider ZPH two-port model performs all essential cable and antenna measurements required for installing and servicing radio transmission links in the field. Being fast and efficient, it can handle cable and antenna measurements swiftly.

With the two-port model, you can expect more functionality. It can perform spectrum analysis (R&S®ZPH-K1 option) and has an independent tracking source plus an integrated bias tee. All these add-ons make the R&S® Cable Rider ZPH the perfect field installation and maintenance tool.

Your benefit	Features
Perform multiple tasks: all-in-ONE box	Offers cable and antenna measurement function, spectrum analysis, interference hunting, S11 and S21 measurements, etc.
Make the right measurement instantly	Wizard function, settings preconfigured in advance
One-step calibration	With R&S®ZN-Z103 automatic calibration unit, no toggling between O/S/L standards
Shortest test time	Fastest measurement speed (0.3 ms/pt.), short boot and warm-up times
Work in all environmental conditions	Non-reflective display and illuminated keypad for dark or bright environments. Water-resistant carrying holster for rainy days.
Buy what you need when you need it	Upgrade via keycode, no downtime, no upgrade calibration required
Wireless remote control	Free downloadable Android/iOS apps (third-party wireless router required)

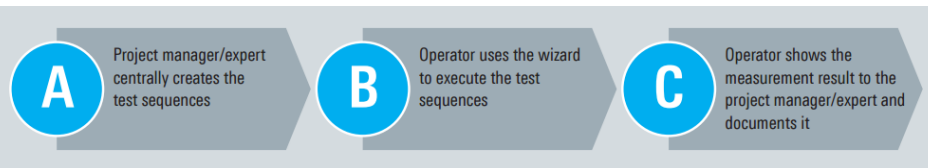
► For more information, see www.rohde-schwarz.com/product/zph

More functionality



Functions in blue boxes are available for the R&S Cable Rider ZPH one-port and two-port models.
Functions in green boxes are available ONLY for the R&S Cable Rider ZPH two-port model.

Wizard function



Fast and accurate measurements in 3 simple steps

Feature highlights

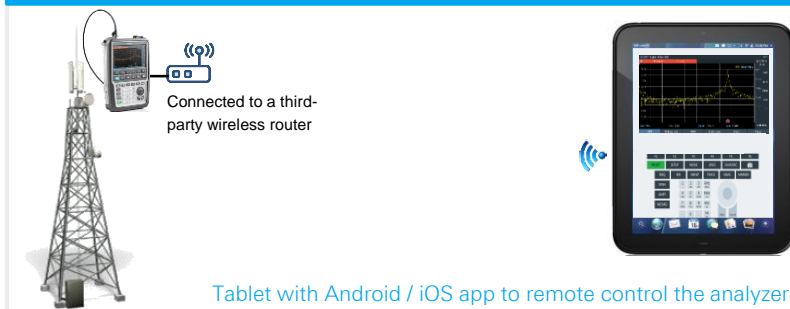
Fast & efficient

- No calibration required – start measuring with fastest measurement speeds right away
- Enjoy shortest boot and warm-up times
- Deploy quickly and correctly with the wizard function
- Buy what you need when you need it
- Remotely operate with Android or iOS app

More

- A cost-efficient multipurpose instrument for spectrum clearance, RF transmitter installation and maintenance as well as interference hunting
- Built-in tracking generator
- Built-in bias tee

Remote wireless control apps



Calibration



One-step calibration with automatic calibration unit (R&S ZN-Z103)



Combined OSL calibration kit (R&S FSH-Z29)

Popular options/accessories

Description	Item
Frequency upgrade (3 GHz to 4 GHz)	R&S ZPH-B4
Calibration unit, one-port, 2 MHz to 4 GHz	R&S ZN-Z103
Combined open/short/50 Ω load calibration standard, for calibrating the VSWR and DTF measurements, DC to 3.6 GHz	R&S FSH-Z29
Soft carrying bag	R&S HA-Z220
Rainproof carrying holster	R&S HA-Z322