



RigExpert

OF A STRONG PARTNERSHIP
AND THE HIGHEST QUALITY PRODUCTS
IN THE HAM RADIO MARKET



RigExpert AA-3000 ZOOM

The flagship Antenna and Cable analyzer with a range from 0.1 to 3000 MHz and a Big Blanview® ZOOM display.

Stay connected from Earth to space.

- Perfect for amateur, professional, and commercial radio.
- Check and adjust antennas quickly.
- Measure cable length and velocity factor.
- Set up $1/4\text{-}\lambda$, $1/2\text{-}\lambda$ stubs.
- Find cable faults in a snap.
- Measure parameters of other RF elements.
- Enjoy the Big sunlight-readable Blanview® display.
- Trust the factory calibration.
- Navigate the multilingual intuitive interface.
- Get help at the push of a button with the built-in Helper.
- Store OSL calibration data for future use.
- Silicone case, battery charger, rechargeable batteries, USB cable, N to UHF adapter in the box.

RigExpertCare - 2 years of Warranty

- Reliability is in the DNA of RigExpert Antenna and Cable analyzers.
- RigExpertCare guarantees you two years of service or replacement of the device with a new one of your choice. Services are free.
- Each RigExpert device goes through four phases of quality control before sending it to the user.
- That's why we are confident in the quality of our products.
- But some integrated circuits may contain a hidden defect that shows up over time.
- RigExpertCare takes this risk for you.

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Specifications

Frequency range

- 0.1 to 3000 MHz

Frequency entry

- 1 kHz

Measurement for systems

- 25, 50, 75, 100, 150, 200, 300, 450 and 600 Ohm

SWR measurement range

- 1 to 10 in chart modes
- 1 to 100 in numerical modes

R and X range

- 0...2000, -2000...2000

Display modes

- Cable tools (stub tuner, length & velocity factor, cable loss and characteristic impedance measurement, LC meter, Multé)
- Optional open-short-load calibration
- R, X chart
- Return loss chart
- Smith chart
- SWR at single or multiple frequencies
- SWR chart
- SWR, return loss, R, X, Z, L, C at single frequency
- TDR chart (Time Domain Reflectometer)
- User OSL: 10 profiles available

RF output

- Connector type: N
- Output power: -10 dBm (at a load of 50 ohms)
- Output signal shape: square

Power

- Max. 5 hours of continuous measurement, max. 2 days in standby mode when fully charged batteries are used
- Three 1.2V Ni-MH batteries, type AA
- Three 3.7V LiPo batteries, 14200
- When the analyzer is connected to a PC or a DC adapter with USB socket, it takes power from these sources

Interface

- 6x3 keys on the water-proof keypad
- 800×480 color Blaview® display
- Bluetooth Specification v.4.2, LE
- Menus and help screens in English (by default), French, Italian, Japanese, Ukrainian, Portuguese, Spanish and German
- USB connection to a personal computer

Operating temperature

- 0...40 °C (32...104 °F)

Weight

- 442 g (15.6 oz)

Dimensions

- 100 × 230 × 55 mm, (4 × 9 × 2 in)

Accessories inside the box

- Silicone case, battery charger, rechargeable batteries, USB cable, N to UHF adapter

Note

- Specifications are subject to change without notice
- Made in Ukraine