

# RigExpert AA 35 ZOOM



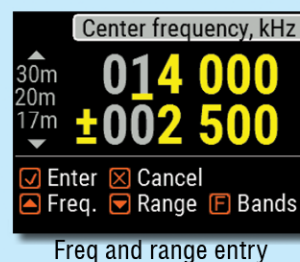
Thank you for purchasing a **RigExpert AA-35 ZOOM** Antenna and Cable Analyzer! We did our best to make it powerful yet easy to use.

The analyzer is designed for measuring SWR (standing wave ratio), return loss, cable loss, as well as other parameters of cable and antenna systems in the range of 60 kHz to 35 MHz. A built-in ZOOM capability makes graphical measurements especially effective.

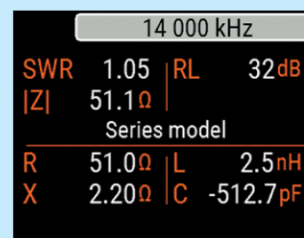
**The following tasks are easily accomplished by using this analyzer:**

- Rapid check-out of an antenna
- Tuning an antenna to resonance
- Comparing characteristics of an antenna before and after specific event (rain, hurricane, etc.)
- Making coaxial stubs or measuring their parameters
- Measuring capacitance or inductance of reactive loads

## Analyzer screen shots



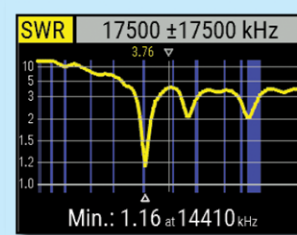
Freq and range entry



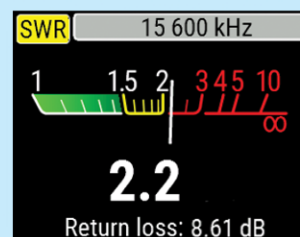
All parameters



R,X chart



SWR chart



MultiSWR mode



Cable loss measurement

## Specifications

- Frequency range: 0.06 to 35 MHz
- Frequency entry: 1 Hz resolution
- Measurement for 25, 50, 75 and 100-Ohm systems
- SWR measurement range: 1 to 100 in numerical modes, 1 to 10 in chart modes
- SWR display: numerical or analog indicator  
R and X range: 0...10000, -10000...10000 in numerical modes, 0...1000, -1000...1000 in chart modes

## Display modes:

- SWR at single frequency
- SWR, return loss, R, X, Z, L, C and phase angle at single frequency
- SWR chart, 100 points
- R, X chart, 100 points

## RF output:

- Connector type: UHF (SO-239)
- Output signal shape: square, 0.06 to 35 MHz
- Output power: +13 dBm (at 50 Ohm load)

## Power:

- Two 1.5V alkaline batteries, type AA
- Two 1.2V Ni-MH batteries, type AA \*
- Max. 4 hours of continuous measurement, max. 2 days in stand-by mode when fully charged batteries are used
- When the analyzer is connected to a PC or a DC adapter with USB socket, it takes power from these sources

## Interface:

- 320×240 color TFT display
- 6×3 keys on the water-proof keypad
- Multilingual menus and help screens
- USB connection to a personal computer

## Dimensions:

- 103 mm x 207 mm x 37 mm (4.1 in x 8.1 in x 1.4 in)

## Operating temperature:

- 0...40 °C (32...104 °F)

## Weight:

- 310 g (10.9 Oz) w/o batteries



1. Antenna connector
2. Liquid crystal display
3. Keypad
4. USB connector