



RigExpert AA-55 ZOOM is a new powerful antenna analyzer designed for testing, checking, tuning or repairing antennas and antenna feedlines.

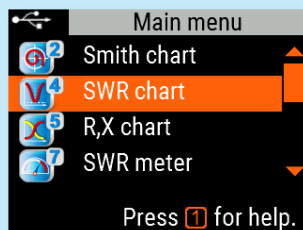
Simple operation and fast, reliable and highly accurate measurements, as well as additional features such as computer interfacing make AA-55 ZOOM indispensable for professionals and hobbyists, who need an efficient measuring instrument.

RigExpert AA-55 ZOOM compatible with a SWR2Air® mode: when it comes to the adjusting antenna connected via long cables usually this task involves two persons; one adjusting the antenna and the other shouting out the SWR value as it changes at the far end of the feedline.

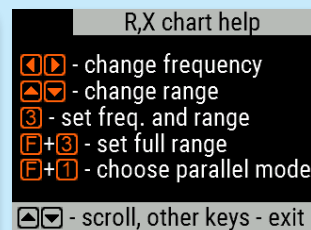
Now there is an easier way to do the same job with one person by using the SWR2Air® mode.

The following tasks are easily accomplished by using AA-55 ZOOM:

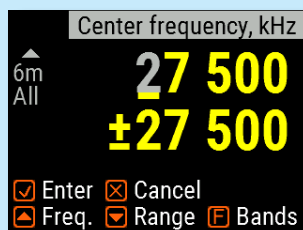
- Rapid check-out of an antenna
- Tuning an antenna to resonance
- Antenna SWR and impedance measurement and comparison before and after specific event (rain, hurricane, etc.)
- Making coaxial lines or measuring their parameters
- Cable testing and fault location, measuring cable loss and characteristic impedance
- Measuring capacitance or inductance of reactive loads



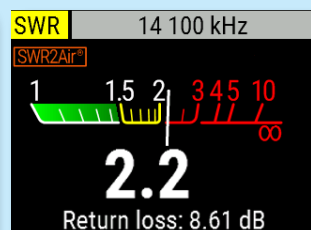
Main menu



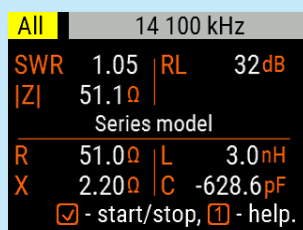
Built-in help



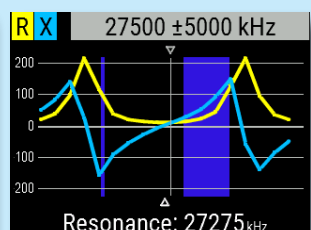
Freq and range entry



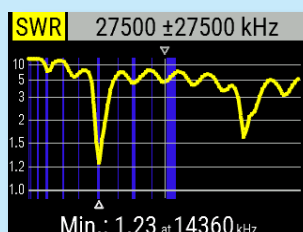
SWR mode



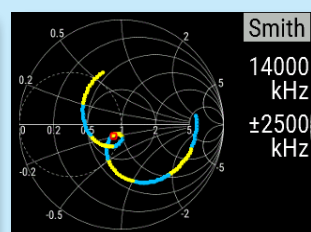
All parameters



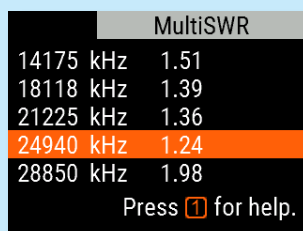
R,X chart



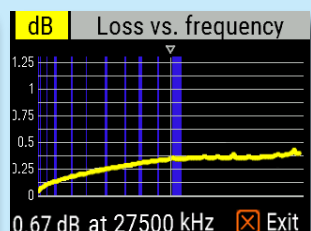
SWR meter



Smith chart



MultiSWR mode



Cable loss measuring

Specifications

- Frequency range: 0.06 to 55 MHz
- Frequency entry: 1 kHz resolution
- Measurement for: 25, 50, 75 and 100-Ohm systems
- SWR measurement range: 1 to 100 in numerical mode, 1 to 10 in graph mode
- SWR display: numerical or analog indicator
- R and X range: 0...10000, -10000...10000 in numerical mode, 0...1 000, -1 000...1 000 in graph mode

Display modes

- SWR at single or multiple frequencies
- SWR, return loss, R, X, Z, L, C at single frequency
- SWR chart, 100 points
- R,X chart, 100 points
- Smith chart, 100 points
- Return loss chart, 100 points
- Cable tools (measuring cable loss and characteristic impedance)

Optional open-short-load calibration

RF output

- Connector type: UHF (SO-239)
- Output signal shape: square
- 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 x 240 color TFT display
- 6 x 3 keys on the water-proof keypad
- Multilingual menus and help screens
- USB connection to a personal computer

General data

Dimensions (W x H x D): 103 mm x 207 mm x 37 mm
(4.1 in x 8.1 in x 1.4 in)

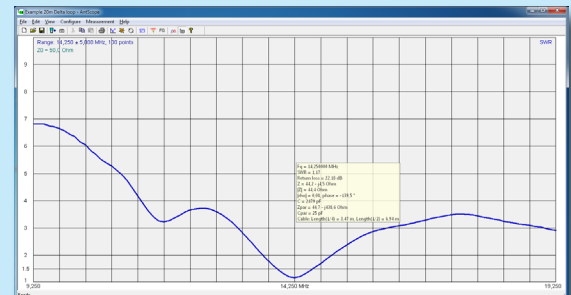
Weight: 310 g (10.9 oz) w/o batteries

Operating temperature: 0...40 °C (32...104 °F)

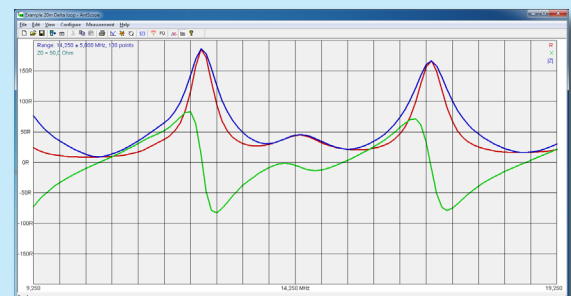
Warranty: 2 years

RigExpert AA-55 ZOOM is made in Ukraine

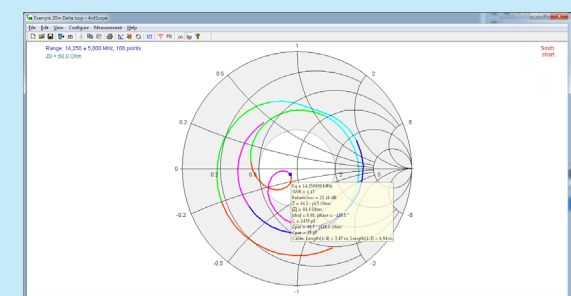
AntScope software capabilities



SWR chart



R,X,Z chart



Smith chart

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