

## RigExpert® AA-650 ZOOM

Powerful Antenna and Cable analyzer up to 650 MHz

### Applications

- Amateur radio
- Commercial radio
- Telecom

### Use cases

- Rapid check-out of an antenna
- Tuning an antenna to resonance
- Comparing characteristics of an antenna before and after specific event (rain, hurricane, etc.)
- Finding cable fault
- Making coaxial stubs or measuring Parameters
- Cable testing and fault location, measuring cable loss and characteristic impedance
- Measuring capacitance or inductance of reactive loads

### Main Features

- Color TFT display
- 6x3 keys on the waterproof keypad
- Consistency and accuracy without prior recalibration
- Multilingual user friendly interface
- Built-in Helper at the push of a button
- USB connection to a personal computer
- OSL calibration data memory to select different measurement fixtures quickly

### RigExpertCare guarantees

RigExpertCare™ is the 2-year limited warranty coverage: Rig Expert Ukraine will replace defective goods covered by the Warranty with new goods of the same model as soon as possible



1



## Specifications

Frequency range	0.1 MHz to 650 MHz
Display	320×240 color TFT display
Operating time (continuous measurements)	Max. 4 hours of continuous measurement, max. 2 days in standby mode when fully charged batteries are used
Operating modes	<ul style="list-style-type: none"> <li>• SWR at single or multiple frequencies</li> <li>• SWR, return loss, R, X,  Z , L, C at single frequency</li> <li>• SWR chart, 20 to 500 points</li> <li>• R, X chart, 20 to 500 points</li> <li>• Smith chart, 20 to 500 points</li> <li>• Return loss chart, 20 to 500 points. Cable tools (Velocity factor &amp; Cable length measurer, Stub tuner, Cable loss chart, Cable impedance chart)</li> <li>• TDR chart (Time Domain Reflectometer)</li> <li>• Optional Open-Short-Load calibration</li> <li>• Non Volatile memory: 100 slots to save measurement results</li> </ul>
Built in Helper	Yes, at the push of a button
Localizations	English, Japanese, Ukrainian, Polish
Output connector	N-type
Output power	-10 dBm (at 50 Ohm load)
Battery	<ul style="list-style-type: none"> <li>• Three 1.5V alkaline batteries, type AA</li> <li>• Three 1.2V Ni-MH batteries, type AA</li> </ul>
Operating temperature	0°-40°C (32°-104°F)
PC/Mobile Interfaces	USB connection to a personal computer, Bluetooth ver. 4.2 (Single-mode, Class B)
Dimensions	100 x 230 x 55 mm (4 x 9 x 2 inches)
Weight (with battery installed)	450 grams (15.9 Oz)
Warranty	2-years RigExpertCare™

## Accessories inside the box

- Soft case
- Battery charger
- Rechargeable batteries
- USB cable
- N-type to UHF adapter.
- User's manual



For order and other questions please contact [office@rigexpert.com](mailto:office@rigexpert.com)