



KINTRONIC LABS

an ISO 9001 registered company

Kintronic Labs is pleased to introduce the:

ARRAY SOLUTIONS PowerAIM150 Antenna Analyzer

Instrument Package Includes:

- Shock resistant carrying case
- Battery, battery cable, and global charger
- 1 set of Type-N Precision Loads
- USB Cable
- Software (download)
- Future software upgrades are free



The PowerAIM150 can tolerate stray RF interference up to 150 volts peak, 3x higher than the PowerAIM120.

The RF source power of the PowerAIM150 is **10X** that of the PowerAIM120.

Price: \$1,995 + Shipping

Features

- Frequency range 50 KHz to 150 MHz
- Temperature compensated crystal oscillator
- Averaging of scans up to 256x
- TDR function for cable and connector evaluation
- Type-N female RF connector
- Multiple sensitivity ranges for precision measurements of components
- Compatible with Windows computers and tablets running Win XP, Vista, Win 7, 8, or 10



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The Parameters that can be measured include:

- SWR referenced to any impedance
 - Resistance and reactance at the cable input
 - Resistance and reactance at the antenna terminals
 - Resistance and reactance of discrete components
 - Return loss
 - Reflection coefficient
 - Cable length
 - Cable impedance
 - Cable loss
 - Distance to fault (open or short)
 - Marker sets to collect data at specific frequencies
 - Two Smith chart displays
 - Band scan for interfering signals
 - Quartz crystal parameters
 - TDR (*Time Domain Reflectometer*) for cable evaluation
- *The scan data can be saved to disk or printed to compare before and after results. It can also be imported into spreadsheet programs for further analysis**

The following example uses a PowerAIM150 to show how measurements can be made on a 160 meter vertical even when strong broadcast stations are only a few miles away. The disturbance due to each station extends only about 20KHz around the carrier.

