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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 includes improved digital signal processing filters that enable measurements in the presence of 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
- Up to two simultaneous Smith Chart displays
- Marker sets to collect data at specific frequencies



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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.



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