

## DATASHEET

### Liberator VNA Site Analyzer Kit

VNA Site Analyzer with full Vector Network Analyzer measurement suite S11 and S21 ports, Spectrum Analyzer, Tracking Generator, FDR (Frequency Domain Reflectometer), SWR and Return loss measurements. The VNA Site Analyzer has a user selectable limit lines for at-a-glance tuning and One-button Auto-tune in SWR/Return loss locates the antenna's best SWR or Return loss. Ease of operation makes the Liberator Analyzer flexible for both the novice and engineer level person to use with minimal training. PC communications is via USB-2 (cable included).

#### FEATURES

- User selectable limit lines for at-a-glance tuning in SWR/Return loss mode
- One-button Auto-tune locates antenna's best SWR or Return loss
- Spectrum Analyzer with Tracking Generator
- Dual Scale Display in Tracking Generator mode
- Frequency Domain Reflectometer (FDR)
- Return Loss measurement and distance to fault in one test to assess cable and Antenna performance as a complete system.
- Impedance formats Resistance and Reactance
- Full instrument operation via PC Vision software.
- Internal Memory can hold up to 50 plots and setups
- Quarter VGA back-lit color display (user selectable color scheme)
- Large numeric display in CW mode

#### KIT INCLUDES:

VNA Site Analyzer, 8AA NiMH cells (installed) Belt Case with removable shoulder strap, USB Cable, AC adapter, Quick Start Guide, Basic Guide, Soft carrying case, DC Vehicle Recharger adapter, 3 way Terminator Set, (open, short and 50 Ω load), "N" to BNC Adapter and CD with Operating Manual, Training PPT and Site Analyzer PC Vision software.



#### SPECIFICATIONS

Frequency Range:	100 KHz – 1500 MHz
Tuning/Display Resolution:	1 KHz
Refresh Rate:	2.5 times/second
Frequency Display:	250 points
Measurement Speed:	5ms / data point
FDR Measurements:	DTF, end of cable and Antenna RL
FDR Range:	0 to >1524m

Min Resolution:	0.5% of Scale
FDR Accuracy:	0.5% of Scale
Output Power:	~ 0 dBm @ 50 Ohms
RF Connectors:	N Type
Power requirements:	13.8-20VDC @ 800 mA min. 8 AA NiMH, or Alkaline
Size:	216 x 109 x 57 mm
Weight:	1kg with belt case and batteries

#### WARRANTY

24 months (Please refer to Benelec Terms & Conditions).