AEA

Testing Made Simple!

AEA Technology, Inc.

VNA Site Analyzer & SWR Site Analyzer

The all NEW Site Analyzers are available in two models:

SWR Site Analyzer with VSWR, Return Loss and FDR (Frequency Domain Reflectometer) measurements.

VNA Site Analyzer with full Vector Network Analyzer measurement suite S11 and S21 ports, Spectrum Analyzer, Power Meter and FDR (Frequency Domain Reflectometer) measurements. Both models feature full color backlit display with excellent daylight readability. 50 memory slots for saving plots to recall on the Site Analyzer or upload to a PC using **Site Analyzer PC Vision ™** software (included). They include NiMH batteries with 3 hours continuous operation. Easy to navigate menus, user custom color settings and measurements plot displays. The VNA Site Analyzer has one-button revert to be just an SWR & Return Loss meter if desired. This makes it flexible for both the novice and engineer level person to use with minimal training. PC communications is via USB-2 (cable included). Technical support includes: User Training PPT, videos, and toll free technical support for the life of the instrument.

Two or Four Instruments in One Hand-held Rugged Package

SWR Site Analyzer

Part Number
6050-5000

Included Items:
SWR Site Analyzer, Terminators (short & 50 Ohm), 8AA NiMH cells (installed) Belt Case with removable shoulder strap, USB Cable, AC adapter, Quick Start Guide, Basic Guide, and CD with Operating Manual, Training PPT, Site Analyzer PC Vision software, Application Notes, and backup literature copies.

VNA Site Analyzer

Part Number
6050-5100

Included Items:
VNA Site Analyzer, Terminators (short & 50 Ohm), 8AA NiMH cells (installed) Belt Case with removable shoulder strap, USB Cable, AC adapter, Quick Start Guide, Basic Guide, and CD with Operating Manual, Training PPT, Site Analyzer PC Vision software, Application Notes, and backup literature copies.

Visit our website for more information
aeatechnology.com

See reverse side for key specifications and optional accessory details

Key Specifications (for a complete list download the Operating Manual from our website)

Specifications

Frequency Range:	100KHz to 1000MHz
Tuning/Display Resolution:	1KHz
Input Power Range:	-100 dBm to +30 dBm
Refresh Rate:	2.5 times/second
Frequency Display:	250 points
Impedance Range:	10 to 5000 Ohms, default 50
Impedance Plot Scales:	8 scales from 10 to 2K Ohms
Impedance Formats (S11):	Resistance, Reactance, Z mag, Z angle, SWR, Return Loss, Gamma Magnitude and Gamma Angle
Impedance Accuracy:	+/- 1 Ohm
Phase Angle Plotting Scales:	+/- 5 to +/- 180 degrees
Gain Formats (S21):	Log, Linear, phase
Gain Accuracies:	+/- 1 dB
Spectrum Analyzer Ranges:	100 KHz -1 GHz
Spectrum Analyzer Resolution:	30 KHz - 3MHz
Measurement Speed:	10ms to 100s
FDR Range:	35 to >10Kft (10 to >3300m)
FDR Measurements:	DTF and end of cable
FDR Accuracy:	2% of Scale
Size:	8.5" x 4.3" x 2.25" (216 x 109 x 57 mm)
Weight:	2.2 lbs (1 Kilogram) with belt case and batteries

Specifications subject to change without notice

Features:

Simultaneously view two separate plots with different scales
Automatic internal calibration and self test
Optional external calibration and Cable Null feature
Large numeric display in CW mode
Internal Memory can hold up to 50 plots and setups
Quarter VGA backlit color display (user custom colors)
Spectrum Analyzer and Power Meter (VNA model only)
Frequency Domain Reflectometer (FDR) for cable testing
USB-2 PC Vision software included

Benefits:

Economical antenna system testing
Very fast response time in graphical display mode
Save, recall and upload test results to a PC
Quickly shift between VNA and SWR/Return Loss only
Colors can be customized for best viewing
One-button Autotune locates antenna's best frequency
"Belt Friendly" design makes it easy to carry on site
All the required accessories are included in base price
Has "Cable Null" option to eliminate test lead or feed line
Fully rechargeable NIMH batteries are OTS replaceable

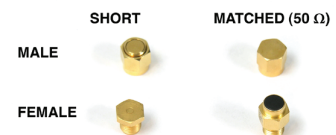## Optional Accessories

Soft Carrying Case

Hard Carrying Case

N-to-SMA Adapter Set

N-to-SMA Adapters

SMA Terminators

	SHORT	MATCHED (50 Ω)
MALE		
FEMALE		

N Adapters

BNC Female   HF (SO-239) male   TNC male

Alternate Terminator Sets

N male   BNC male

Short Open, Load   *Preliminary*

NSF Registered to ISO 9001   ANAB ACCREDITED

www.aeatechnology.com