Testing Made Simple!

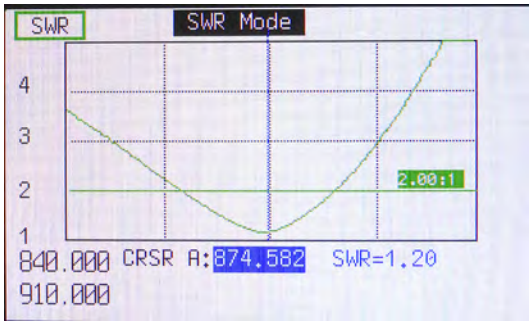
AEA Technology, Inc.

LIBERATOR SERIES
ANTENNA SITE ANALYZER

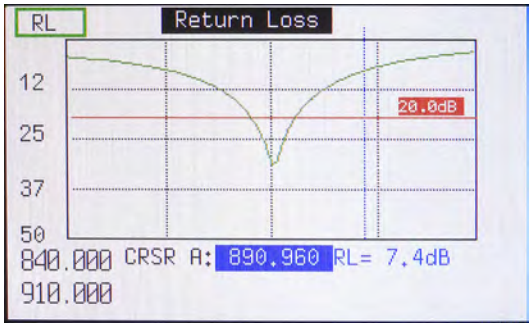
The all NEW 100KHz-1.5GHz LIBERATOR RF-Analyzer

SWR Site Analyzer Single port unit with easy to use FDR (Frequency Domain Reflectometer), SWR and Return loss measurements. Featuring full color back-lit 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. Includes field replaceable "AA" NiMH batteries. Easy to navigate menus, user selectable color settings and measurement plot displays. The SWR 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).
Technical support includes:
User Training PPT, and toll free technical support for the life of the instrument.

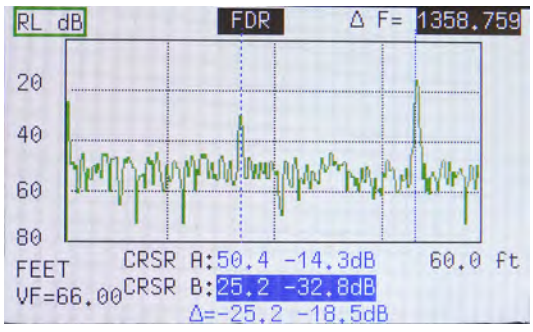
Three Instruments in One Hand-held Rugged Package



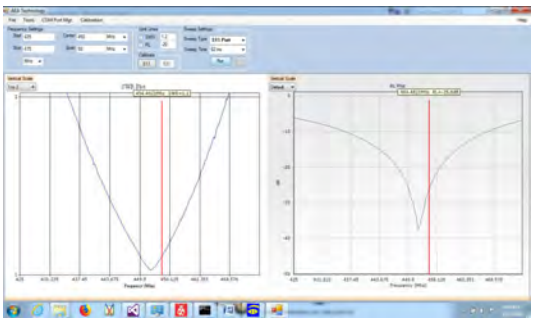
SWR



Return Loss



FDR



PC Vision Screen View

visit our website for more information

www.aeatechnology.com

See reverse side for key specifications and optional accessory details

Made in USA with
US and global parts

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SWR, Return Loss & FDR

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

SWR Site Analyzer	SWR, Return Loss, FDR (Frequency Domain Reflectometer)
Frequency Range:	100KHz – 1500MHz
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 >5000ft (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:	12-18 VDC @ 800 mA min. 8 AA NiMH, or Alkaline
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
Warranty	2 years

CERTIFICATIONS : CE
EMC: EN/IEC 61326-1:2013/2020
Safety: EN/IEC 61010-1:2010 +A1:2016 + C1:2019

Specifications subject to change without notice

Ordering Information:

6050-5000 SWR Site Analyzer

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 and Site Analyzer PC Vision software.

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
- Frequency Domain Reflectometer (FDR)
- Return Loss measurement and distance to fault in one test to assess cable and Antenna performance as a complete system
- Site Analyzer PC Vision™ software and USB-2 Cable included
- 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

Benefits:

- Economical Multi Function antenna system testing
- Very fast response time in graphical display mode
- Save, recall and upload test results to a PC
- Quickly shift between SWR and Return Loss
- Screen Colors can be customized for best viewing
- "Belt Friendly" design makes it easy to carry on site
- Has "Cable Null" option to compensate for test lead or feed line
- Fully rechargeable NIMH batteries are COTS replaceable

Optional Accessories

N to SMA Adapters and Terminators Set
N to BNC Adapter
BNC Terminators, Short and 50 Ω Load
N to TNC Adapters
N to SO239 (UHF) Adapters
N female terminators short and open kit
3 way Terminator Set, open, short and 50 Ω load
Vehicle adapter/charger
Soft Carrying Case
Hard Carrying Case

See our website:
www.aeatechnology.com
for full details on our accessories

Made in USA with US and global parts

AEA Technology Inc.
5933 Sea Lion Place, Suite 112 Carlsbad, CA 92010 TEL 800-258-7805 or +1-760-931-8979 FAX +1-760-931-8969 www.aeatechnology.com