Portable Spectrum Analyzer

Satellite Communications

PSA-45D

Technical Specifications

Frequency Coverage:	950-2150 MHz L-Band, continuous precision rotary encoder tuning Extendable with MFC's
Frequency Display:	±100 KHz, On Screen
Span:	Greater than 1,200 MHz - 0
Resolution Bandwidth:	3 MHz; 100 kHz
RF Sensitivity:	Greater than -85 dBm Typical
Reference Levels:	-10 dBm, -30 dBm, -50 dBm
Scale:	5dB/Div
Amplitude Accuracy:	± 2 dB Typical
Dynamic Range:	40 dB On Screen
Input Connectors:	Type-N, 50 Ohm, N/F Adapter Included
LNB Power:	+13/18 VDC & 22 KHz Signal
Size/Weight:	9.5" W x 4.5"H x 9.5" D/8 lbs
Power Requirements:	85 - 265 VAC 50/60 Hz, 12VDC, Vehicle Power Cable Included; Internal Li-Ion Battery Pack and Smart Charger
Display:	5.7" High Contrast ¼ VGA

Specifications subject change
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PSA-45DRevH

✓ **950-2150 MHz L-Band Satellite**
✓ **Dual Resolution Bandwidth**
✓ **50 User Screen Memories**
✓ **Direct Sunlight Readable LCD Screen**
✓ **13/18 VDC & 22 kHz LNA/LNB Power**
✓ **Remote Monitor Via Ethernet IP Protocol**

Easy Satellite Installations!

When aligning satellite dishes, there is no better tool than a spectrum analyzer. You'll find them on every network uplink truck, at every cable TV downlink site – anywhere business depends on a clean strong signal. A spectrum analyzer lets you view the actual wideband signal as the antenna sees it. In virtually seconds you can identify and optimize the signal. Dish alignment and cable verification are quick, dish installations among trees or obstructions are a snap.

High Sensitivity!

With an input sensitivity greater than –85 dBm, you can easily see signals that are below the receiver threshold. The screen refreshes at 12 Hz, so response to dish movement or signal variations is instantaneous. A precision rotary encoder provides quick and exact continuous tuning across the entire band.

Full Remote Monitoring & Control!

Remotely monitor & control the PSA-45DE version spectrum analyzer with a standard PC or Laptop via Ethernet IP protocol! Using a graphical user interface, you can not only control, but download saved data directly to the PC for report documentation, conditioned signal monitoring, and data logging. No more trips to the site merely to check and log the readings!

Compact, Light, Portable!

Only 9.5" x 4.5" x 9.5" and 8 lbs. Thanks to LCD technology and low power draw, an Internal battery lets you work anywhere. The sturdy aluminum case and carrying handle are designed for the rigors of the field. An optional cordura nylon case protects the analyzer and gives you a pouch for hand tools, cables, and even a frequency extender.

Accessories
- AVSAC-2 Cordura Nylon Carrying Case
- MFC-3242-45, 3.2-4.2 GHz Extender
- Ethernet IP Remote Control Option

For ordering information visit www.avcomofva.com or call 804-794-2500