

## Portable Spectrum Analyzer

Broadcast, CATV, Satellite, Wireless Networks



### PSA-37D

#### Technical Specifications

Frequency Coverage:	1 - 1100 MHz, 950 - 2150 MHz, 2100 - 3200 MHz, 3200 - 4200 MHz, Extendable with MFC's to 18 GHz
Frequency Display:	LCD 2 Line Display with Center Frequency & Span Start/Stop
Span:	Greater than 1 GHz - 0
Resolution Bandwidth:	300 kHz
RF Sensitivity:	Greater than -90 dBm Typical
Reference Levels:	0, -20, -40 dBm / +49, +29, and +9 dBmv
Scale:	2dB/Div. & 10 dB/Div.
Amplitude Accuracy:	± 2 dB Typical Per Band
Dynamic Range:	65 dB On Screen
Input Connectors:	BNC & N, DC Blocked, 50 Ohm, BNC/F Adapter Included
LNB Power:	+13/18 VDC & 22 KHz Signal
Maximum Input:	+10 dBm @ 0 dB Ref. Level; -30 dBm @ -40 dB Ref. Level
Size/Weight:	11.5" W x 5.5"H x 13.5" D/17 lbs 29.2cm x 14cm x 34.2cm/ 7.72 kg
Power Requirements:	85 - 265 VAC 50/60 Hz, 12VDC, Vehicle Power Cable Included; Internal Batteries & Charger; Sealed Gel Cell PS-630/UB-634
Display:	5" Diagonal CRT Green Phosphorous

Specifications subject change  
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PSA-37DRevG

- ✓ 1 MHz - 4.2 GHz Frequency Coverage
- ✓ Precision Rotary Encoder Tuning
- ✓ Independent Span and Resolution BW
- ✓ Readout Ku Band Offsets
- ✓ 13/18 VDC & 22 kHz LNA/LNB Power

#### CATV Analyzer with Independent Span & Resolution Bandwidth!

The PSA-37D covers the entire CATV, Broadcast, Satellite, and Wireless Network frequency ranges from 1 MHz to 4.2 GHz. The unit has a  $\pm 2$  dB amplitude accuracy which makes this the perfect analyzer for the field technician or for testing and setting head-end levels. Independent span and resolution bandwidth makes it easy to either look at the whole band or pinpoint a particular frequency or channel.

#### No AC/No Problem!

Battery power (and a built in charger) lets you work right at the antenna; no need for extension cords. You can also run or charge on vehicle or line power. THE PSA-37D has a built in DC Block with +13/18 VDC & 22 KHz for powering LNAs and LNBs.

#### Satellite Dish Alignment a Snap!

If you are doing DBS installs, you need to be on and off the job fast! DBS signals such as DISH NETWORK and DIRECT-TV can be seen with Avcom's PSA-37D. Normal DBS antenna alignments, such as roof, wall, or backyard can be accomplished in seconds because the DBS receiver and TV monitor do not have to be at the antenna.

#### Creative Installations Made Easy

The PSA-37D can really help with more creative DBS dish installations inside buildings, looking through sparse foliage or windows, smaller antennas, etc. When the signal is not optimum, using the PSA-37D, the signal can be quickly located and measured even though it is below the receiver's signal strength requirement.

#### Available Accessories

- AVPAK Cordura Nylon Carrying Case w/Straps
- QRM-35 Quick Release Rack Mount
- TISH-40 Terrestrial Interference Survey Horn
- Frequency Extenders Available!

For ordering information visit [www.avcomofva.com](http://www.avcomofva.com) or call 804-794-2500

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