

Portable Spectrum Analyzers

Broadcast, CATV, Satellite & Wireless



PSA-37XP

Technical Specifications

Frequency Coverage:	1.0 - 1100 MHz, 950 - 2150 MHz, 2100 - 3200 MHz, 3200 - 4200 MHz; Extendable with MFC's
Frequency Display:	±100 KHz, On Screen
Span:	Greater than 1 GHz - 0
Resolution Bandwidth:	3 MHz, 1 MHz, 300 KHz, 75 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, N/BNC & BNC/F Adapters 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/12 lbs 29.2cm x 14cm x 34.2cm/ 5.4 kg
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-37XPRevG

- ✓ 50 User Screen Memories!
- ✓ Direct Sunlight Readable LCD Screen
- ✓ Precision Rotary Encoder Tuning
- ✓ Independent Span and Resolution BW
- ✓ Readout Ku Band Offsets
- ✓ 13/18 VDC & 22 kHz LNA/LNB Power
- ✓ Long Life Li-Ion Battery Pack

CATV Analyzer with Independent Span & Resolution Bandwidth!

The PSA-37XP covers the whole CATV frequency range from 1 to 1100 MHz in addition to the Satellite L band from 950 to 2150 MHz and Satellite C-Band 3.7 to 4.2 GHz. The unit has a ±2 dB amplitude accuracy which makes this the perfect analyzer for the field technician or for testing and setting head-end levels. The variable span width makes it easy to either look at the whole band or pinpoint a particular frequency/channel.

No AC/No Problem!

A built-in long life Li-Ion battery pack and smart 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-37XP 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 the PSA-37XP. 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-37XP 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-37XP, 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!

Also Available

The Following models include built in frequency extenders for expanded range:

- PSA-37XP-60: 4.0 GHz – 6.0 GHz
- PSA-37XP-65: 4.5 GHz – 6.5 GHz
- PSA-37XP-70: 5.0 GHz – 7.0 GHz
- PSA-37XP-75: 5.5 GHz – 7.5 GHz

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

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