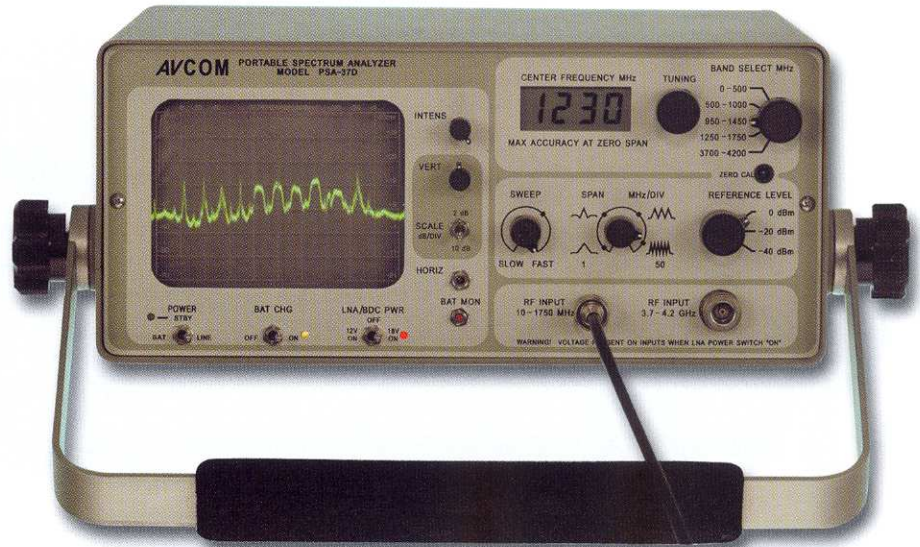


PSA-37D PORTABLE SPECTRUM ANALYZER

All Around Spectrum Analyzer for the Satellite Industry

- ✓ Covers All Common Satellite Frequencies You Need:
 - L Band (950–1450 MHz)
 - C Band (3.7–4.2 GHz)
 - Low 0–500 MHz Band for IF Monitoring
- ✓ 1250–1750 MHz for Extended L Band
- ✓ Built-in DC Block and Power for LNAs and LNBs
- ✓ Portable: Battery or Line Operated – Perfect for Field Test
- ✓ -95 dBm Sensitivity
- ✓ 300 KHz Resolution Bandwidth



The PSA-37D Portable Spectrum Analyzer was designed for the satellite technician, and is ideal for downlink installation, service, and maintenance. Frequency coverage is from 10 to over 1750 MHz, and from 3.7 to 4.2 GHz in five bands, so all common frequencies are covered.

View the entire L-band on a single screen, or zoom in on a single transponder. Switch to C band to view unconverted signals. The low frequency band lets you view IF signals on your modem, exciter, or receiver, while the 1250–1750 MHz band covers extended L band.

The spectrum display gives you positive ID of your signal and indication of cross polarization—no need for a separate receiver or monitor, though we do offer a video output option which provides demodulated L-band video to any monitor.

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 +12/18 VDC for powering LNAs and BDCs, so hook-up is fast and easy. Low band connections are BNC, C-band connections are type N.

DBS/DSS 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, PRIMESTAR, and DIRECTV 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. Think of the benefit of doing just one extra install per day!

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 obtained is not optimum or there is

uncertainty where to point the dish, it is difficult to use the receiver's built-in alignment program. Using the PSA-37D, the signal can be quickly located and measured even though it is below the receiver's signal strength requirement. Steps can then be taken to improve the signal. What appears to be an impossible installation may become doable, and hours can be turned into minutes. AVCOM has published an application note on DBS installation; contact the factory for your copy.

Recommended Accessories

- AVSAC Cordura nylon carrying case (page 20)
- ADA-10A Analyzer display adapter for PC interface (page 19)
- QRM-35 Quick release rack mount (page 27)
- OSA-20A Oscilloscope Interface outputs (page 19)
- TISH-40 Terrestrial Interference Survey Horn (page 20)

Technical Specifications

Frequency Coverage:	Low Band: a) 10 to 500 MHz b) 500 to 1000 MHz c) 950 to 1450 MHz d) 1250 to 1750 MHz High Band: 3.7 to 4.2 GHz
Input Connectors:	Low Band: BNC (type F to BNC adapter included) High Band: Type N
Input Connectors DC Block Capability:	Both input connectors are DC blocked and provision is made for insertion of +12/18 VDC into connector by front panel switch
Frequency Display/Accuracy:	4-digit LCD ± 4 MHz nominal, at zero span
Reference Levels:	0, -20, and -40 dBm/+49, +29, and +9 dBm
Sensitivity:	Selectable 2 dB/DIV or 10 dB/DIV
Dynamic Range:	65 dB
Amplitude Accuracy:	± 2 dB typical per band
Res. Bandwidth:	300 KHz
Calibration:	Internal calibration (factory set)
Span:	Over 500 MHz (50 MHz/DIV) to less than 1 MHz/DIV
Size/Weight:	11.5" w x 5.5" h x 13.5" d (29.2 cm x 14 cm x 34 cm)/17 lbs./7.72 kg
Power Requirements:	115 VAC, 60 Hz 12 VDC Internal rechargeable batteries (included) 220/240 volt model available

Ordering Information

PSA-37D Portable Spectrum Analyzer
VO Video Output Option