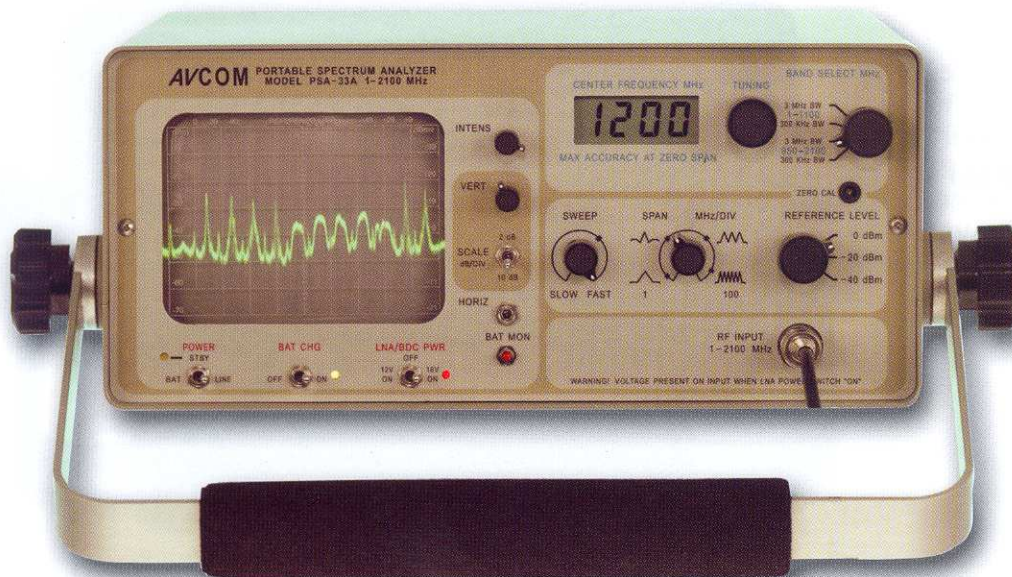


PSA-33A PORTABLE SPECTRUM ANALYZER 1-2100 MHz

Extended L Band Plus IF Monitoring



- ✓ 1 to 2100 MHz in 2 Bands
- ✓ 3 MHz or 300 KHz Resolution Bandwidth
- ✓ 4-Digit LCD Frequency Readout
- ✓ Accurately Measures Wideband Signals
- ✓ Commonly Used in the Satellite Communications and CATV Industries
- ✓ Battery or Line Operated - Perfect for Field Test Situations
- ✓ Built-in DC Block and Power for LNAs and BDCs

With low band coverage from 1-1100 MHz and high band from 950-2100 MHz, the PSA-33A is an excellent choice for downlink installation, service, and maintenance. With two resolution BW settings and 4-digit center frequency display, you can align dishes and identify and resolve terrestrial interference problems quickly and precisely.

The PSA-33A has a built in DC block with +12/18 VDC for powering LNAs and BDCs. Thanks to its internal battery with charger, and the ability to be powered by 12 VDC vehicle systems, this analyzer is ideal for field or mobile use.

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-33A. 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 more install per day!

Do the Impossible!

The PSA-33A 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-33A, 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 (page 19)
- TISH-40 Terrestrial Interference Survey Horn (page 20)

Ordering Information

PSA-33A Portable Spectrum Analyzer, 1-2100 MHz

Technical Specifications

Frequency Coverage:	Low Band: 1 to 1100 MHz High Band: 950 to 2100 MHz
Input Connector:	BNC (type F to BNC adapter included)
Input Connector DC Block Capability:	Input connector is DC blocked and provision is made for insertion of either +12 or +18 VDC into connector by front panel switch
Circuitry:	Most on pluggable PC boards for rapid and easy service
Freq. Display/Accuracy:	4-digit LCD frequency readout/accuracy ±4 MHz nominal, at zero span
Reference Levels:	0, -20, and -40 dBm/+49, +29, and +9 dBmV
Sensitivity:	Selectable 2 db dB/DIV or 10 dB/DIV Maximum Sensitivity -95 dBm
Dynamic Range:	Onscreen dynamic range 65 dB
Amplitude Accuracy:	±2 dB typical per band
Resolution Bandwidth:	3 MHz and 300 KHz selectable
Calibration:	Internal calibration (factory set)
Span:	Over 1000 MHz (100 MHz/DIV) to less than 1 MHz/DIV
Weight:	17 lbs./7.72 kg
Dimensions:	11.5"w x 5.5"h x 13.5"d (29 cm x 14 cm x 34 cm)
Construction:	Epoxy painted heavy gauge aluminum chassis and cover, with carrying handle and bail
Power Requirements:	115 VAC, 60 Hz 12 VDC Internal rechargeable batteries (included) 220/240 volt model available