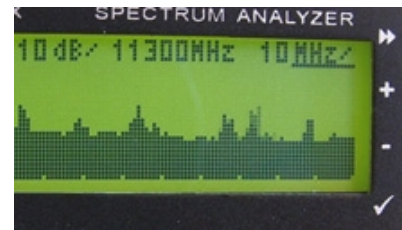
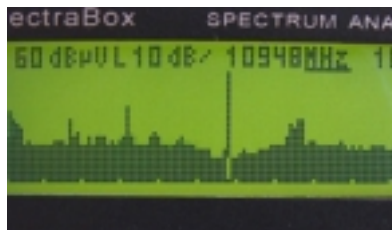


SpectraBox SAT

Portable Spectrum Analyzer 950 - 2150MHz



The SpectraBox Family:

- SpectraBox / SAT & DX
950 - 2150MHz
- SpectraBox / ISM
1500 - 2500MHz
- SpectraBox / HF
0.1 - 40MHz

Facts instead of assumptions !

As well as the radiology for medicinic diagnostics spectrum analysis has the same importance in high-frequency applications.

At a glance the complete spectral occupation and the corresponding signal levels are visible.

The rapid growing of high-frequent transmission techniques requires practical and portable measurement devices.

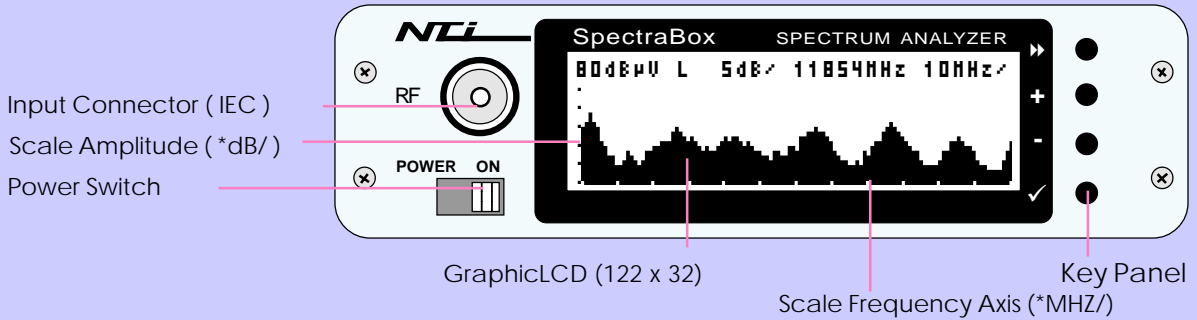
Small, handy and compact.

Nearly the same size as a video cassette and a low weight of hardly 700g make the device to an ideal companion for installation, maintainance and service applications.

A built-in accumulator allows portable operation for many hours.

The frequency spectrum and additional informations are visible on a back-lighted graphic liquid cristal display.

**Small; but excellent:
(original size)**



Adaptable ...

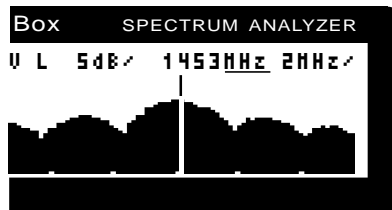
Amplitude resolution is selectable in 2-5-10dB steps.
According to the maximum input level two different input level ranges (LOW/HIGH) are also selectable.
Within the chosen level range the related reference level can be varied in 10dB steps.



Integrated Zoom ...

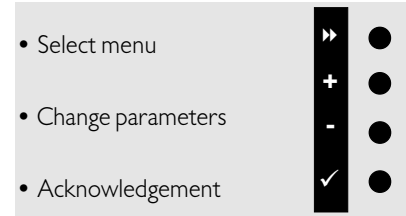
After switching on the display shows first a complete spectrum scan.
An extra frequency cursor function allows to mark a certain frequency.
Starting with the cursor frequency a frequency range of interest can be zoomed continuously.

This makes an accurate analysis of narrow band signals easier.



Simple Operation ...

Only four push buttons are required to control the instrument:



The chosen parameters are displayed above the spectral display.
For pre-converter operation it is possible to display the correct input frequency after entering the related LO-frequency.

Technical Data

Input Frequency Range:	950 - 2150MHz	Graphic LCD:	122 x 32Pixels
Input Connector (Impedance):	IEC / 75Ω	PC Serial Interface:	RS 232(DS-9)
Input Level Ranges (LOW/HIGH):	20/30-80 & 60/70-110dBuV	Measuring Principle: Homodyne/Direct Conversion	
Amplitude Scaling/DIV:	2-5-10dB	Dimensions:	113 x 32 x 170mm
Frequency Scaling/DIV:	Full-100-50-20-10-5-2MHz	Weight excl. Accumulator:	0.45kg
Sweep Time (Complete Scan):	2s - 0.4s (Full - 2MHz/DIV)	Optional Accessories:	
Measurement Error:	max. +/- 3dB	• Plug-Power Supply	
Resolution Bandwidth:	200KHz / 2MHz		
LO-Generated 2nd RF-IN Harmonic Rejection:	min. 35dBc		
Supply:	9 - 12V / 300mA (2.1mm DC-Plug)		

Test Report

Christian Mass: NTi SpectraBox SAT - TELE-satellite International 10-11/2002

Applications

- Spectrum monitoring & signal identification
- Measurement of input level; cross polarity separation & C/N
- Detecting signal & interference sources or leakage
- Broadband measurement of insertion gain or loss

