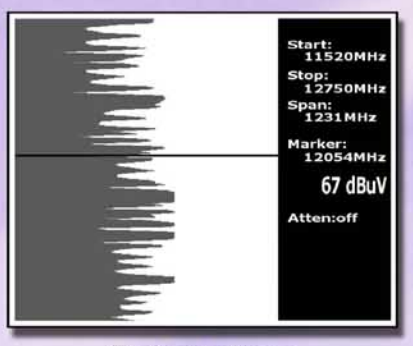
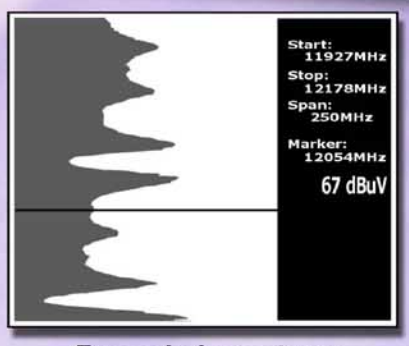
Satlook

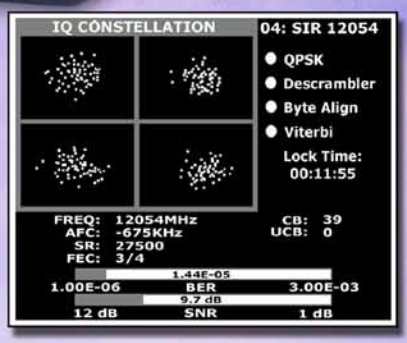
Digital NIT



Full spectrum



Expanded spectrum



QPSK constellation and BER

SATLOOK Digital NIT:

- Satellite-receiver 920-2150MHz
- Spectrum-analyzer with expanded spectrum
- Digital BER, QPSK and S/N-ratio
- Satellite-ID and TV/Radio-channel info
- 4.5" B/W monitor for PAL/NTSC/SECAM
- Tuneable audio bandwidth 5.5-8.5MHz
- LNB voltage 13/18V, 22KHz tone switch
- DiSEqC according to level 1.0, 1.1, 1.2
- KU- and C-band (normal/inverted video)
- Lots of memory positions for spectrum pictures
- Satellite identification, RS232 for PC-connection
- Only 5kg complete with carrying case

emitor

SATLOOK DIGITAL NIT

There are today a lot of different and interesting Tv-satellites. With the SATLOOK Digital NIT -instrument it's easy to find, identify and maximize them all.

The SATLOOK Digital NIT is a swedish made SAT-TV instrument and spectrum-analyzer.The unit is made for exact alignment and adjustment of satellite-dishes. It is intended for professional use when high accuracy and precise information are needed.

It´s easily operated without a lot of unnecessary buttons and knobs. The basic functions are easy to get a hold on and takes only minutes to learn.

The instrument is provided with a 4.5" B/W-monitor which either shows normal SAT-TV-channel, the frequency spectrum 920-2150 MHz (or parts thereof) alt. Digital data. Menus/help-displays are shown on the LCD-screen (64x128) beside the monitor.

Analog SAT-TV channels can be tuned in and viewed upon (Multistandard Video PAL, NTSC and SECAM). Audiofrequencies between 5.5 - 8.5 MHz can be listened to.

The spectrum can be expanded (zoom in) for correct adjustment of the polarisation ("cross-polarisation").The instrument has very high resolution and accuracy. It presents measured data ±2 dB (at around 20 C).

SATLOOK Digital NIT presents, under one of the sub menus, digital information like BER (bit error rate), constellation-diagram (QPSK) and S/N (signal/noise ratio).

SATLOOK Digital NIT can identify the various TV satellits by reading out the NIT in the bitstream (NIT = Network Information Table). The NIT also contains info about the transponders TV and Radio channels.

SATLOOK Digital NIT can handle a lot of memory-positions and both spectrum-pictures and certain frequencies can be saved (both analog and digital transponders).

The polarisation of the LNB is switchable 13V/18V and the Hi-Lo band with 22 kHz-tone. The DiSEqC-function controls all DiSEqC-accessories (like switches, LNB´s and actuators).

The power of the instrument is supplied by a built in and rechargeable battery. Even though the instrument has a lot

Technical specification.

Input frequency:	920-2150MHz, easily reduced to 250 MHz (max zoom in).
Frequency display:	Yes, IF default. All standard LNB L.O. can be setup.
Min level in:	About 35 dBuV (noise).
Max level in:	About90 dBuV.
Attenuation:	15 dB attenuator on/off.
Display of signallevel: (analog)	dB on LCD/monitor.Pitch-tone.
Accuracy:	±2 dB (at +20 C)
Display of signallevel: (Digtal)	S/N (signal/noise-ratio) BER (bit error rate) Constellation (QPSK)
Satellite-identification:	Yes, by reading out the NIT in the beatstream. Info about the TV and Radio channels.
TV/Audio standard:	Multi TV/Audio (PAL, NTSC, SECAM).
KU- C-band:	Yes, selectable.
Audio bandwidth :	Adjustable between 5.5 MHz and 8.5 MHz
Input impedance:	75 Ohm, BNC-con.
Picture-screen:	4.5"-monitor, B/W
Menus:	On LCD 64x128.
Memory:	100 spectrum pictures can be stored with name. Stored spectrum can be mixed for easy identification of satellite.-"Maxhold"-function.
Favouritechannels:	Both analog and digital frequencies can be stored (with name). Simultaneous measuring of up to 10 channels at the same time. Each channel wit individual setup of 13/18v and 22 kHz on/off.
PC-connection:	Yes, RS232-output
Power out:	Yes, 13-18V.
22 kHz tone:	Yes, on/off.
DiSEqC:	Yes, all 1.0 and 1.1. Also Toneburst on/off.
DiSEqC actuator:	Built in positioner for DiSEqC 1.2, SatScan and SatSelect.
Battery:	Rechargable 12v, 3.5 amp/hour.
Operational:	About 1 hour on a fully charged battery.
Weight:	About 5 kg incl.battery.
Accessories:	Nylon carrying-case. Power-supply of 220v/13.5v, 1.7amp. Car-charger. BNC/F-adapter.