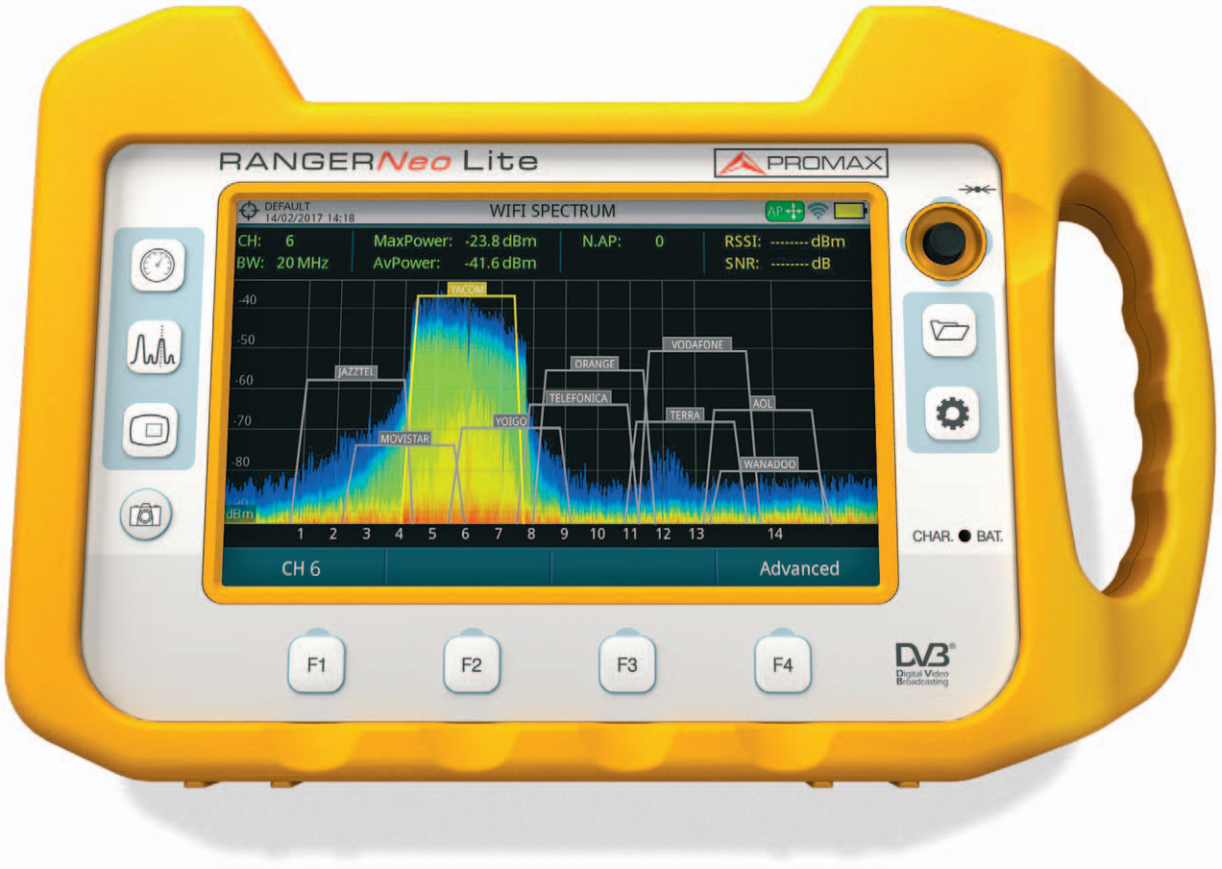
PROMAX

A NEW STANDARD IN FIELD STRENGTH METERS

TV, CABLE, SATELLITE & WIFI ANALYSER

RANGER*Neo* Lite



EASY OPERATION

Hybrid user interface (touch + keyboard)

HEVC H.265

High Efficiency Video Codec

WIFI ANALYSER

Dual display: SPECTRUM and DATA

WIDEBAND LNB

The entire SAT band on a single SPAN

PROMAX

RANGER *Neo* Lite

The future today

HEVC H.265 DECODING

High Efficiency Video Codec

RANGER *Neo* Lite is the new industry-standard in field strength meters and TV analysers. It is capable to offer HEVC signal demodulation compatible with the new DVB-T2 broadcast signals.

LIGHT WEIGHT 1.6 KG

TRIPLE SPLIT DISPLAY

ULTRA FAST SPECTRUM

FREE FIRMWARE UPDATES

RANGER *Neo* Lite

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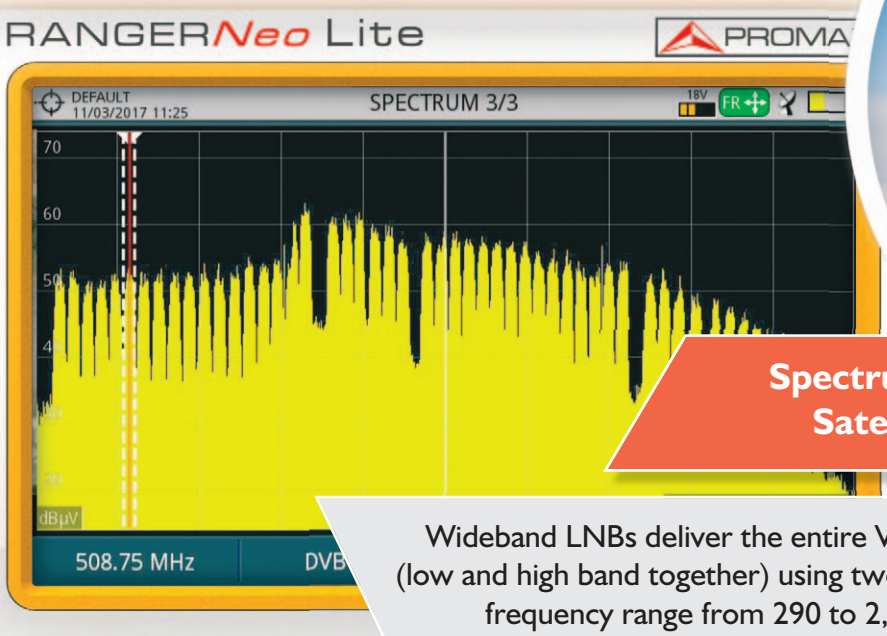
Field strength meter for the HDTV era

wbLNB COMPATIBLE



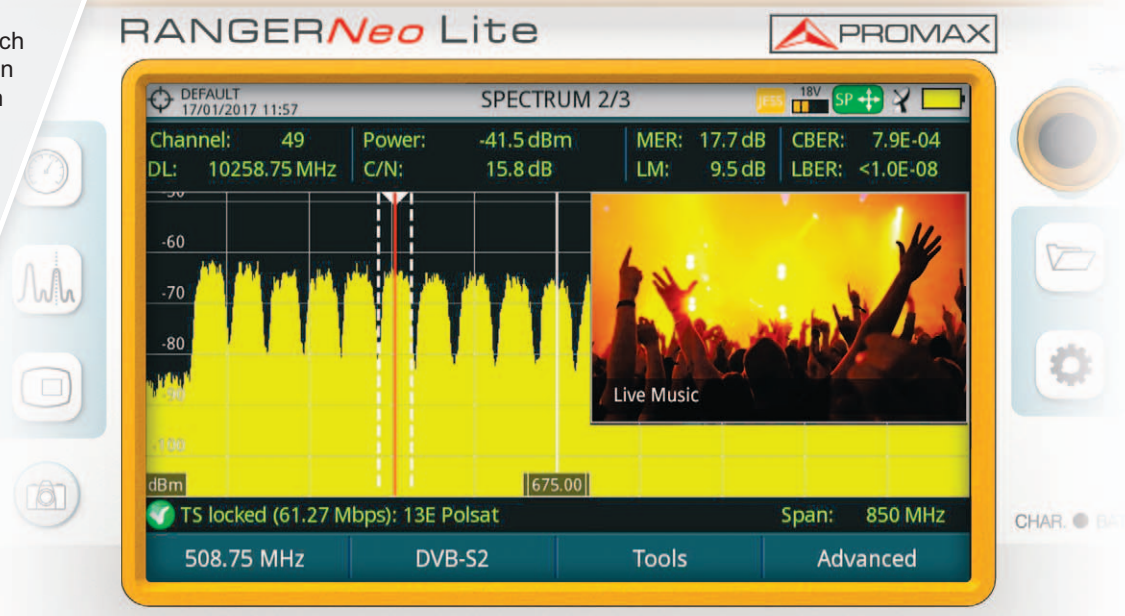
Spectrum analyser from 5 to 2500 MHz
Satellite band from 250 to 2350 MHz

Wideband LNBs deliver the entire Vertical and Horizontal satellite polarities (low and high band together) using two separate RF cables and an extended IF frequency range from 290 to 2,340 MHz. **Is your analyser prepared?**

DCSS LNBs Digital Channel Stacking Switch satellite LNB

Digital Channel Stacking Switch LNB can support several users on a single cable distribution system by allocating specific user bands for each of them. It is not possible to work with this type of LNB unless your field strength meter can communicate using EN50494 and EN50607 standard protocols.

This is the case of **RANGER *Neo* Lite** which also covers JESS and SATCR.



PROMAX

RANGER *Neo* Lite

Be ready for the future

2.4 GHz WiFi ANALYSER

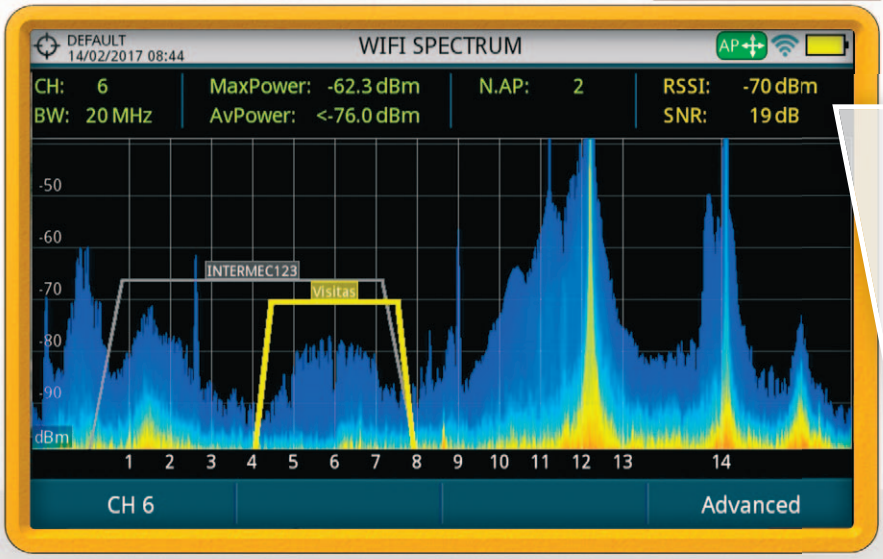
Improve your networks performance

RANGER *Neo* Lite

PROMAX

Your analyser for the new world

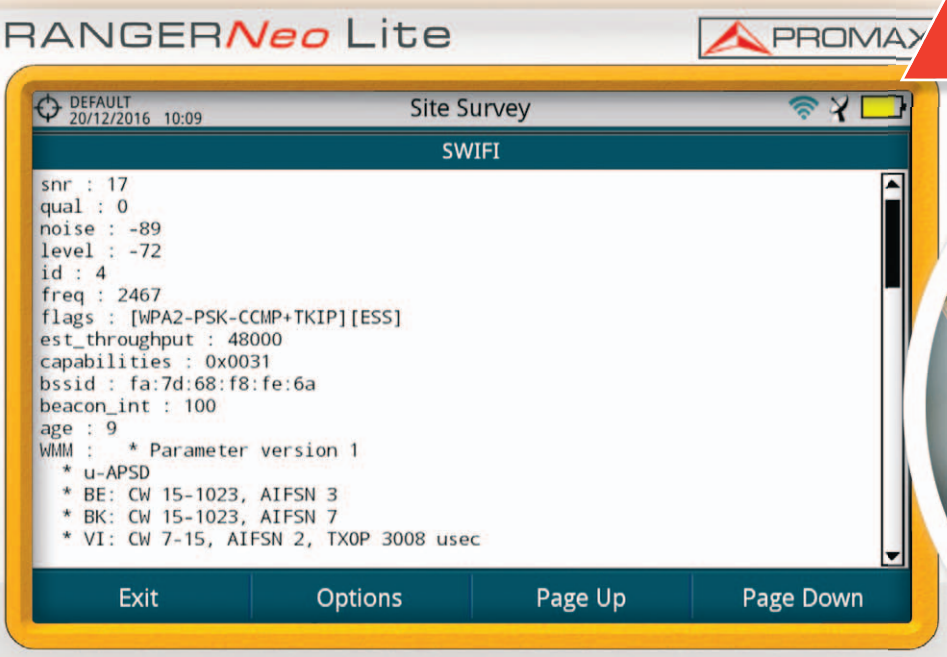
2.4 GHz WiFi ANALYSER Improve your network performance



Simultaneous real spectrum analyser information + WiFi access point data

WiFi signals can be disturbed by interference from other WIFI stations, for example other access points, but also from non-WIFI signals such as wireless CCTV cameras or, like in the picture, a microwave oven! **RANGER *Neo* Lite** can display both simultaneously.

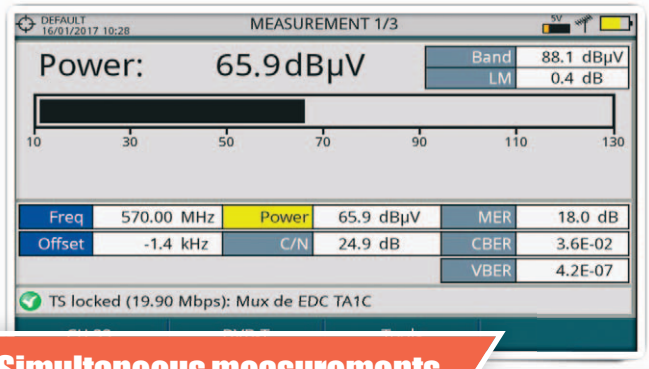
RANGER *Neo* Lite shows convenient information from the access points such as SSID, RSSI, SNR, security information, etc.
It also indicates the number of access points per channel.



www.promaxelectronics.com

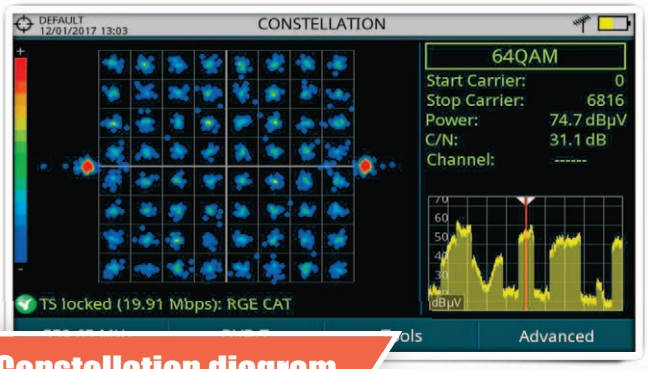
Enjoy a wide variety of functions

MANY USEFUL FUNCTIONS



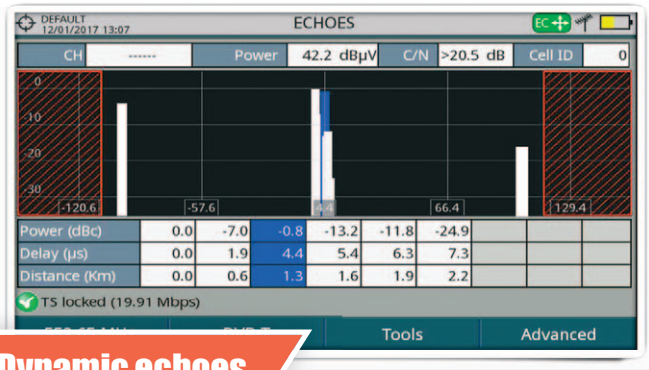
Simultaneous measurements

More computing power for real-time measurements displayed on a single screen.



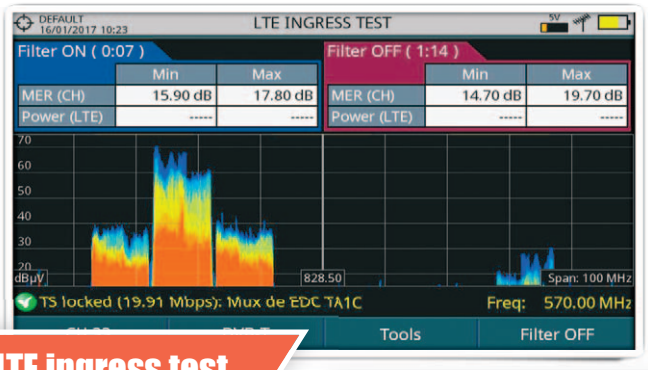
Constellation diagram

Detect signal impairments at a glance. The more disperse the points are, the worse.



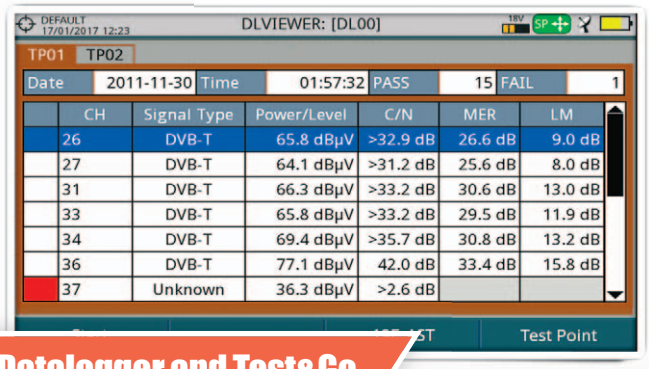
Dynamic echoes

A must-have utility for testing DVB-T, DVB-T2 and DVB-C2 networks.



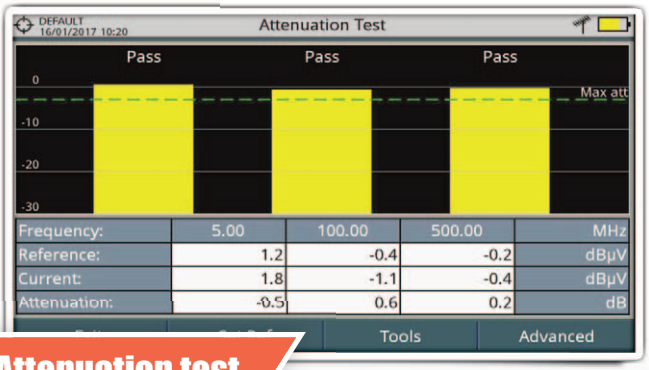
LTE ingress test

Should you install an LTE filter? Test your TV distribution system.



Datalogger and Test&Go

Collect data for your reports faster and easier using the auto-setup Test&Go.



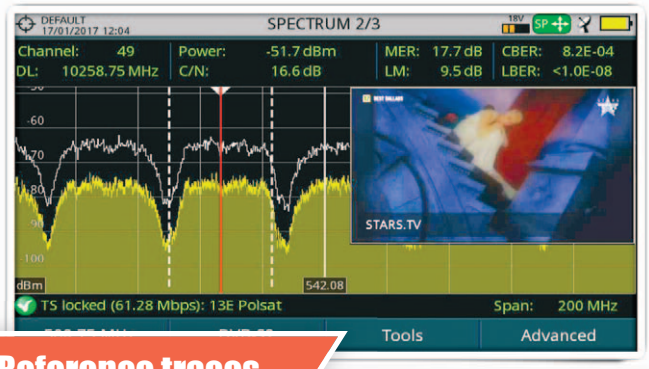
Attenuation test

Test the frequency response of your installation using RP-050, RP-080, RP-110B signal generators.

RANGER *Neo* Lite

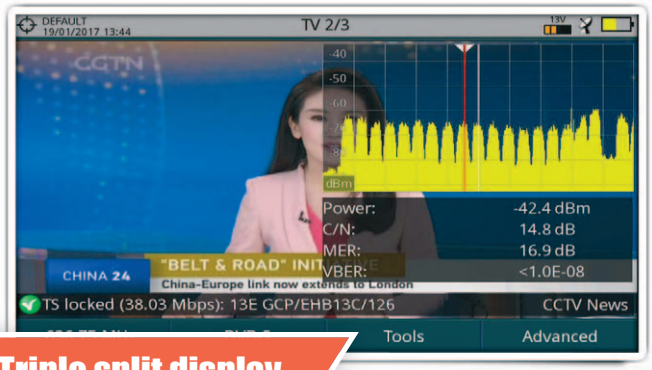
Fast and accurate spectrum analyser

PROFESSIONAL SPECTRUM ANALYSER



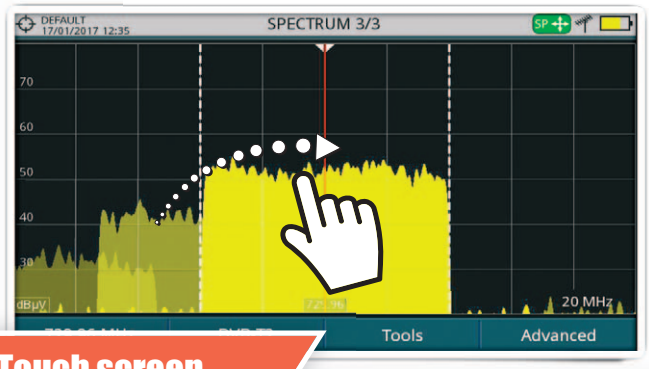
Reference traces

Freeze the spectrum graph and compare it with the running trace.



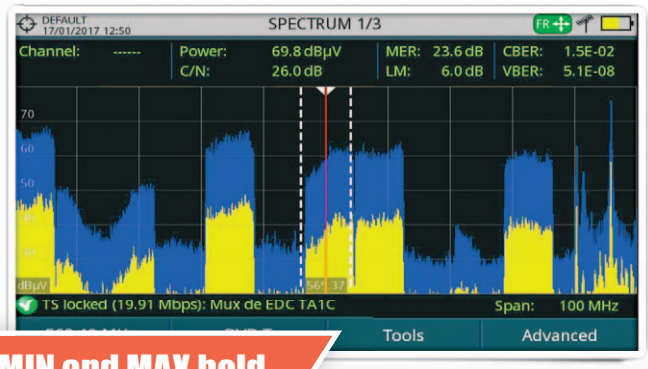
Triple split display

Say goodbye to switching between TV, measurements and spectrum modes.



Touch screen

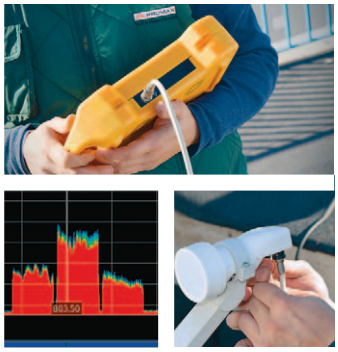
Place the marker on any channel and move the trace using your finger.



MIN and MAX hold

Display them separately or simultaneously along with the current spectrum trace.

RangerNeo Lite has even more functions.
Check our website for more information!



A new breed of analysers for a new world

SPECIFICATIONS	RANGER*Neo* Lite		
DIGITAL STANDARDS	DVB-T, DVB-T2, DVB-T2 lite DVB-C, DVB-C2 DVB-S, DVB-S2, DVB-S2 Multistream, DSS, ACM / VCM		
AUDIO CODECS	MPEG-1, MPEG-2, HE-AAC, Dolby Digital, Dolby Digital Plus		
VIDEO CODECS	MPEG-2, MPEG-4 / H.264, HEVC / H.265		
INPUTS AND OUTPUTS	Universal RF connector 75 Ω HDMI output IP input Analogue Video/Audio input 2 USB connectors for data tranferring		
FUNCTIONS	Constellation diagram for all standards StealthID (instant identification of tuning parameters) PLS (Physical Layer Scrambling) Ultra fast spectrum analyser (70 ms sweeping time) with max. and min. hold Screenshots and Datalogger for measurement reports Field strength measurements	Wideband LNB WiFi 2.4 GHz LTE 1.8 GHz LTE OTT FM RDS radio measurements and decoding	Resolution Bandwidth: 100 MHz Task planner Service Recording Dynamic echoes analysis DVB-S2 multistream Beacon-Flyaways SNG & VSAT
MEASUREMENT MODE Frequency Margin DVB-T COFDM DVB-T2 Base and Lite COFDM DVB-C QAM DVB-C2 COFDM PAL, SECAM and NTSC analogue TV FM radio DVB-S QPSK DVB-S2 QPSK, 8PSK, 16APSK, 32APSK DSS QPSK	 From 5 - 1000 MHz (Terrestrial) From 250 - 2350 MHz (Satellite) Power (35 to 115 dBµV), CBER, VBER, MER, C/N, Link margin. Power (35 to 115 dBµV), CBER, C/N, LBER, MER, Link Margin, BCH ESR, LDP iterations, wrong packets Power (45 to 115 dBµV), BER, MER, C/N and Link margin Power (45 to 115 dBµV), CBER, MER, C/N, LBER, BCH ESR, LDP iterations and wrong packets M, N, B, G, I, D, K and L Level measurement Power (35 to 115 dBµV), CBER, MER, C/N and Link Margin Power (35 to 115 dBµV), CBER, LBER, MER, C/N, BCH ESR, wrong packets and Link Margin Power (35 to 115 dBµV), CBER, VBER, MER, C/N and Noise margin		
SPECTRUM ANALYZER Frequency Margin Measurement range Span	 From 5 - 1000 MHz (Terrestrial) From 250 - 2500 MHz (Satellite) From 10 - 130 dBµV Full / 500 / 200 / 100 / 50 / 20 / 10 MHz		
OPTIONS			
INTERNAL STORAGE	7 GB for firmware and resource files (dataloggers, etc.)		
PC CONNECTION (via ethernet interface)	NetUpdate 4 (free software); Free and automatic firmware updates; Remote control (webserver); User customised channel plans; Measurement reports and screenshot;		
GENERAL	Hybrid operation: Touch screen (7") or conventional keyboard Battery >2 h. in continuous mode DiSEqC 1.2 SATCR / SCD (EN50494) DCSS / SCD2 (EN50607)		

DESIGN AND SPECIFICATIONS SUBJECT TO CHANGES WITHOUT PRIOR NOTICE 03-17