

HEXYLON

HIGH PERFORMANCE PORTABLE METER INTENDED FOR PROFESSIONAL USERS
ADVANCED FEATURES AND HIGH MEASUREMENT ACCURACY



WHERE CONTENT BECOMES THE USER INTERFACE



MULTISTANDARD METER

ANALOG, DVB-T/T2, ISDB-T, DVB-S/S2, DVB-S2X, DVB-C, TSolP, FM, DAB/DAB+, 5G BROADCAST

RF ANALYSIS

- Ultra fast scan and automatic measurements of all the TV & Radio channels
- Ultrafast autolock: HEXYLON locks any input signal without needing to setup any parameter
- Signal quality measures according to standard: Power, C/N, MER, MER by carrier graphic representation, BER, Constellation,... As well as advanced FM measures
- Ultrafast spectrum analyzer (sweep<10ms) from 5MHz to 3.3 GHz, with configurable resolution filters between 300 Hz and 6.4 MHz
- Advanced echoes analysis (DVB-T/T2, ISDB-T/Tb, DAB/DAB+): Pre and Post Echoes. Allows to measure echoes out of the guard interval up to 1148 us, thanks to the PDP v2 feature

TS ANALYSIS

- Alarm monitoring according to ETR 101 290 (Pri1, Pri2, Pri3)
- Bitrate analysis per service: audio, video, data
- Treeview with table decoding: PSI and SI, EPG demodulation
- T2-MI/BTS Analysis over ASI or IP, EDI over IP
- Real time analysis of the Transport Stream, showing services and tables
- PCR measurements and SFN Drift

AND MUCH MORE...

- Reporting engine (pdf, csv,...)
- Spectrum and MER/Carrier Waterfall
- Satellite automatic identification
- Video/audio decoding: Display in 8" high resolution screen of analog and digital TV video (MPEG2, MPEG4 Full HD, HEVC 720p 25 fps, HEVC 1080p screenshots, HEVC 4K)
- Extended working band for DVB-T/T2 (from 20MHz to 1.5GHz)
- 2.4GHz and 5GHz Wifi-Analyser
- Audio/video streaming
- TS/ETI, RF and FM/DAB Audio recording
- 5G Broadcast Compatible

HIGHLIGHTS

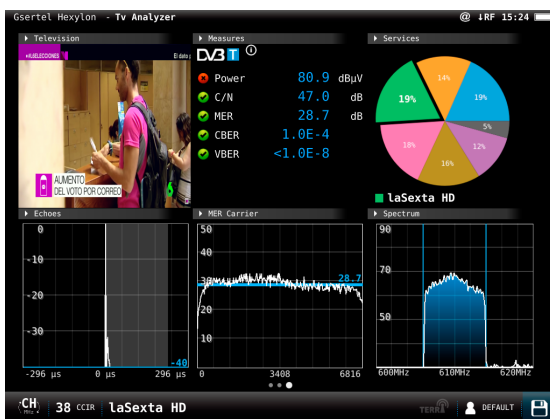
- ✓ Revolutionary user experience
8" multitouch high resolution screen
Multiple desktop with simultaneous working environments
Exclusive mosaic feature with 6 customizable windows
Gestural commands for an intuitive management
User-defined profiles
- ✓ Cloud Service
- ✓ High capacity internal memory
- ✓ Ethernet, WiFi, and bluetooth connectivity
- ✓ Internal web server with management facilities including full remote control by Ethernet or Wi-Fi
- ✓ Internal GPS for drive test, map presentation and Google Maps and Google Earth exportation with coloured dots according to checkmarks of the user-selected measurement
- ✓ USB connectivity for data transfer and printable files
- ✓ Battery
Field Replaceable battery with independent charger
High life battery, with smart charging management
- ✓ Application Programming Interface
- ✓ DAB/DAB+ TII of each echo

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FEATURES



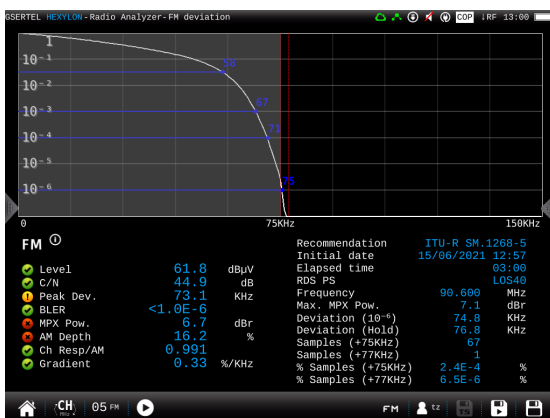
EXCLUSIVE MOSAIC FEATURE

With six user-defined customizable windows that allows to see all the characteristics of the signal at a glance



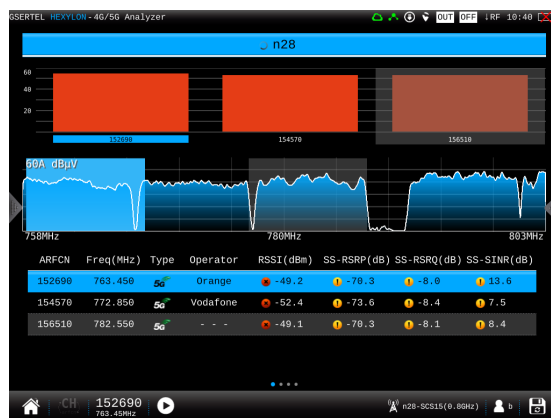
POWERFUL SPECTRUM ANALYZER

Continuous, high-speed, and high-resolution spectrum analyzer with proprietary features



FM DEVIATION

Shows the difference between an FM modulated frequency and the nominal carrier frequency



SYSTEM SCAN

Simultaneous measurements of complete set channels. For broadcast (TV/radio) and 5G signals

SPECIFICATIONS

Standards

Analog TV (PAL, NTSC, SECAM)
DVB-T
DVB-T2 v1.3.1, DVB-T2 lite
DVB-H
ISDB-T/Tb
DVB-S
DVB-S2, DVB-S2/S2X multistream
DVB-C
QAM Annex A, B, C
FM
DAB, DAB+
5G Broadcast

Screen

TFT 8" multitouch screen

Battery

Li-Ion
Field Replaceable and separately rechargeable battery
Additional battery (option)

Connectivity

RF: N 50 Ω connector
ASI-TS BNC input and output
IPTV input for measurements and decodification
HDMI output
IP Ethernet input for remote control
Analog video input (CVBS)
Headphones output
Slot for common interface modules
USB host
GPS
Wi-Fi
Bluetooth

Features:

Network tools, Teletext, EPG
MPEG2, MPEG4 Full HD, 4K Channels visualization
Wi-Fi Analyser, Drive Test

Measures

Continuous spectrum analyzer
4G and 5G interferences detection
Waterfall
Scan
Uncorrected packets
MER by Carrier
Measure of input noise in the return channel

TV:

Analog: Power, C/N, V/A, V/A2, HUM, CSO

5G Broadcast: RSSI, RSRP, RSRQ, SINR

DVB-T: CBER, VBER, MER, Echoes, PDP Echoes, Constellation, Shoulder (lower/upper), Link Margin, Post-BER

DVB-T2: LDPCBER, BCHBER, Link Margin, MER, Echoes, PDP Echoes, Constellation, SFN Drift, Multiple PLP, Shoulder (lower/upper), L1-Post Mer, LDPC iter, BBFER,

DVB-C: MER, PreBER, PostBER, Constellation

ISDB-T/Tb: MER, Pre & Post BER (by layer), Constellation, Echoes, PDP Echoes

DVB-S: CBER, VBER, MER, Constellation, Link Margin

DVB-S2: Link Margin, MER, PreLDPCBER, PreBCHBER Constellation, Multi TS, PLS Scrambling

Radio:

FM: C/N, RDS groups and the percentages, Deviation, BLER, MPX Spectrum, peak deviation, MPX power, AM depth, Ch resp/Am, Gradient, Audio Recording in .wav format

DAB/DAB+: Echoes, PDP Echoes, PRS+Null Symbol, Constellation, MER, Errored FIB, SlideShows, Audio CRC, SFN Drift, FIC MER, FIC BER, MSC MER, MSC BER, Audio Recording in .wav format

MPEG Measures

T2-MI/BTS packet analysis over ASI or IP, and EDI over IP
Real time TS analysis
Table repetition and quality analysis

Representation of all the services and tables
Services treeview
PCR Measurements

Dimensions

220mm H x 260mm W x 65mm D
Weight: 2150 g.