

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, TSoIP, FM, DAB/DAB+

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 Analysis over ASI or IP
- Real time analysis of the Transport Stream, showing services and tables

AND MUCH MORE...

- Reporting engine (pdf, csv,...)
- 4G and 5G interferences detection and filter simulation
- 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 and RF recording

HIGHLIGHTS

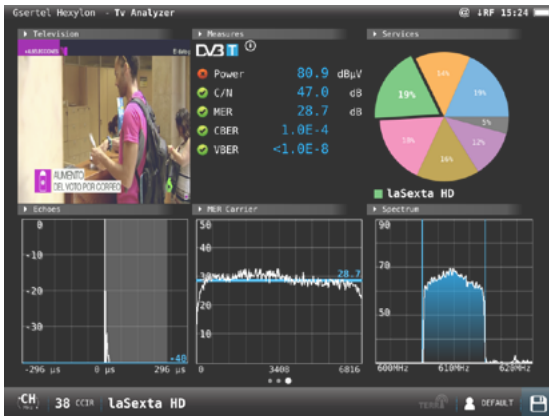
- ✓ Revolutionary user experience
8" multitouch high resolution screen
Multiple desktop with simultaneous working environments
Exclusive mosaic feature with 6 customizable windows
Gestural commands for an intuitive management
User-defined profiles
- ✓ Cloud Service
- ✓ High capacity internal memory
- ✓ 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 exportation
- ✓ USB connectivity for data transfer and printable files
- ✓ Battery
Field Replaceable battery with independent charger
High life battery, with smart charging management

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FEATURES



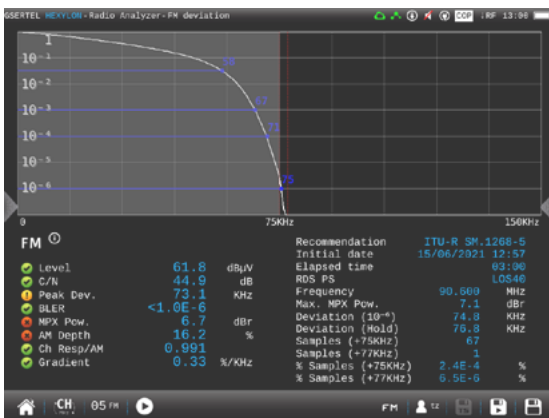
EXCLUSIVE MOSAIC FEATURE

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 of TV and Radio channels

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+

Screen

TFT 8" multitouch screen

Battery

Li-Ion
Field Replaceable battery

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

Measures

Continuous spectrum analyzer
4G and 5G interferences detection
Waterfall
Scan
Uncorrected packets
Analog measurements: Power, C/N, V/A
MER by Carrier
TV:
DVB-T: CBBER, VBBER, MER, Echoes, PDP Echoes, Constellation
DVB-T2: LDPCBER, BCHBER, Link Margin, MER, Echoes, PDP Echoes, Constellation, SFN Drift, Multiple PLP
DVB-C: MER, PreBER, PostBER, Constellation
ISDB-T/Tb: MER, Pre & Post BER (by layer), Constellation, Echoes, PDP Echoes
DVB-S: CBBER, VBBER, MER, Constellation
DVB-S2: Link Margin, MER, LDPCBER, BCHBER
Constellation, Multi TS, PLS Scrambling

Radio:

FM: C/N, RDS, Deviation, BLER, MPX Spectrum
DAB/DAB+: Echoes, PDP Echoes, PRS+Null
Symbol, Constellation, MER, Errored FIB, SlidesShows, Audio CRC, SFN Drift

MPEG Measures

T2-MI packet analysis over ASI or IP
Real time TS analysis
Table repetition and quality analysis
Representation of all the services and tables
Services treeview

Dimensions

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

V 2.0

GSERTEL