

# HEXYLON

Ethernet, WiFi, and bluetooth connectivity



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-S2-X, DVB-C, TSolP, 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 LTE 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-Anayser
- Streaming video/audio
- 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

# HEXYLON

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## FEATURES



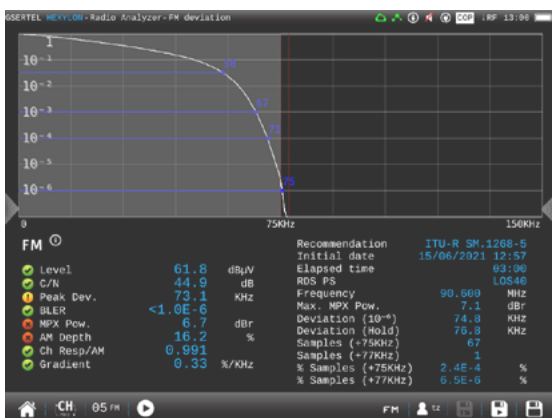
### EXCLUSIVE MOSAIC FEATURE

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 multistream,  
DSS  
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  
Headphones output  
Slot for common interface modules  
USB host  
GPS  
WiFi  
Bluetooth

### Features:

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

### Measures

Continuous spectrum analyzer  
LTE interferences detection  
Waterfall  
Scan  
Uncorrected packets  
Analog measurements: Power, C/N, V/A  
MER by Carrier  
**TV:**  
DVB-T: CBER, VBER, 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 player), Constellation, Echoes, PDP Echoes  
DVB-S: CBER, VBER, MER, Constellation  
DVB-S2: BER, 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,  
SlideShows, 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.

**GSERTEL**