

NEW



# EXA 9

Professional RADIO, SAT, TV, CATV & IPTV Analyzer  
30-2700 MHz



Included



Optional



1972 > 2025 >> MORE THAN 50 YEARS OF INNOVATION

## MAIN FUNCTIONS

### SPECIAL FUNCTIONS

- PC based fast navigation
- NEW Intuitive navigation system with direct access to functions.
- Exclusive patented ROVER AUTODISCOVERY system: automatically detects and selects analog and digital COFDM/QAM TV signals in both measurement and spectrum mode.
- Automatically identifies all the signals with digital modulation SAT, TV and CATV.
- Automatic Assistant: Signal Quality analysis, Channel Scan memorization.
- Barscan TV & CATV function from 10 to 100 channels on one screen.
- Buzzer & Noise Margin real time graph for digital signals microinterruptions.
- Reflectometric measurements APP.
- Optical Input (opt.).
- WI-FI analyzer (opt.).
- HEVC H265 decoder (opt.).
- SATELITE: DiSEqC, SCR & dCSS, SAT FINDER & SAT EXPERT Functions.
- Custom Channel Plans: 25 (199 ch. per plan), Programmable TV, SAT (or combined TV/SAT) by PC or Local Keyboard.
- Loggers: TV, SAT & combined with stop & go function.
- SAT Memory Plan: More than 2.000 transponders prememorized for world wide Satellite.
- LAN cable tester.
- IP camera tester.

### SPECIFICATIONS: MEASUREMENTS, SPECTRUM ANALYSIS & PICTURES

- Frequency Range: 30-2700 MHz.
- Frequency Resolution: TV & CATV: 25 KHz; SAT: 5 MHz.
- Power Range Meas.: from 5 to 120 dB $\mu$ V.
- Digital Meas: Digital Power, MER (36 to 40 dB max depending on modulation), BER, PER, LDPC, BCH, Noise Margin, MER versus CARRIER.
- Measurement Resolution: 0.1 dB.
- Level Measurement Accuracy: 1 dB typ. (2 dB max.)
- Resolution Filter Bandwidth: TV & CATV: 100 KHz @ -3 dB; SAT: 1 MHz @ -3 dB.
- Constellation: for TV/CATV and SAT signals.
- Spectrum: Fast spectrum, Max Hold and spectrum memorization with real time compare function.
- Net-id on board: Net-id, NID, TSID, LCN, SAT Orbit Position.
- Echoes, Pre-echoes, Micro-echoes: Representation in real Time.
- Quality: Digital Auto quality Test: PASS-MARGINAL-FAIL.
- Digital Pictures: MPEG2-4 SD & HD, HEVC pictures with Program List, Audio Video PIDs, LCN, Video bit Rate all on one screen.
- Audio: AAC supplied, DOLBY AC3 DD+.

### OPTICAL MEASUREMENTS

- Maximum Ingress Power: 5 dBm.
- SC input connector.
- Automatic loss calculation.
- Wavelengths (nm): 1310, 1490, 1550.
- Range: -25 to +6 dBm.
- Resolution: 0.1 dB.
- Accuracy: +/- 0.5 dB.
- Optical to RF conversion: SAT, TV & CATV Measurements and Spectrum.

#### COMM. PORTS AND OUTPUTS

- RF Input : 75 ohm (interchangeable "F").
- SC optic ingress (opz.)
- USB 2.0: 2 x Type B.
- LAN: ETHERNET Gbit
- WIFI: 2,4 & 5,0 GHz Analyzer

#### GENERAL SPECIFICATIONS

- 9" TFT TOUCH display: 16:9 high resolution and high brightness. Capacitive industrial Display.
- DC voltage at RF input: 5 - 12 - 18 - 24 V, DC DiSEqC, SCR & dCSS commands.
- PC Interface: USB-B.
- Front-Panel: Alpha numeric keypad + Multifunction Encoder.
- Power Save: TFT backlight timer, brightness adj.
- PC Management: WEB Browser (no special SW required).
- Power Supply: Built in LiPo battery with 2 to 4 hours duration (depending on the function) & Battery Test function.
- Battery: Integrated lithium polymers from 2 to 4 hours of duration (depending on the function) and BATTERY TEST function.
- Battery door: removable battery door for quick and easy replacement without the need for assistance
- Weight: only 2 Kg.
- Size: H 18,0 x W 28 x D 4,0 cm (meter only).
- Aluminium and Steel Housing.
- Elite bag with extra padding and storage ZIP pocket.

#### OPTIONAL FEATURES

- DAB & DAB+ (HW).
- Radio FM (HW).
- GPS (HW).
- Optic Ingress (HW)

#### INCLUDED MAIN FEATURES

- PC Based management SW.
- WI-FI Analyzer (HW).
- HEVC Pictures.
- IPTV (SW).
- TV & SAT Measurements.
- LAN Tester.
- IP Camera Tester.
- LAN Remote Control.

#### NOTE:

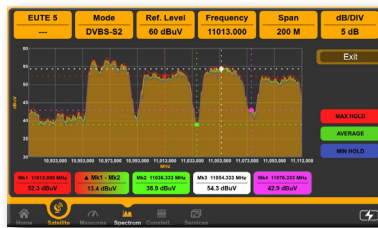
- 1 Some options must be requested when ordering the instrument.
- 2 Features and Function may change without notice.



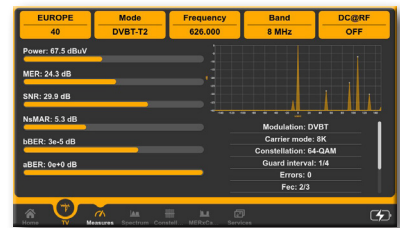
## MEASUREMENT EXAMPLES



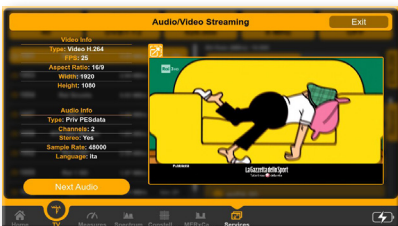
New Icon Navigation Menu



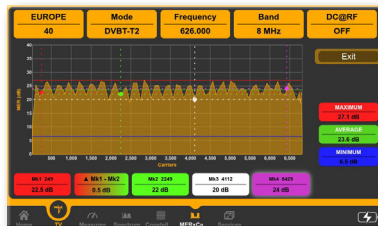
New professional Spectrum



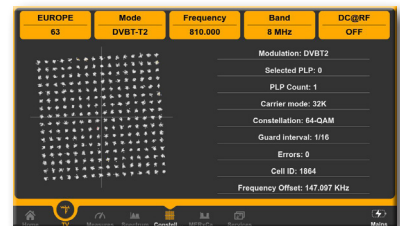
Measures & Echoes



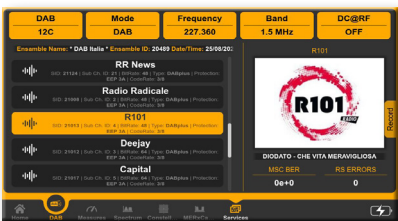
DVB-T2 HEVC Measurements and Pictures



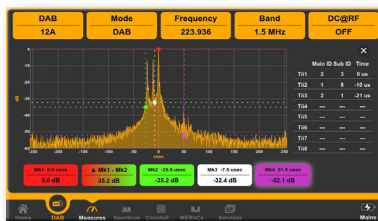
DVB-T2 MER vs CARRIER



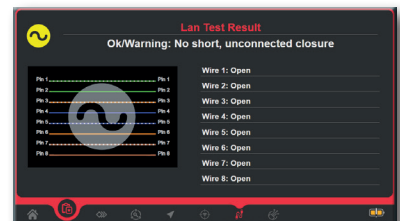
DVB-T2 Constellation



DAB/DAB+ Service Informations (opt.)



DAB/DAB+ Echoes analysis (opt.)



LAN tester