

NEW

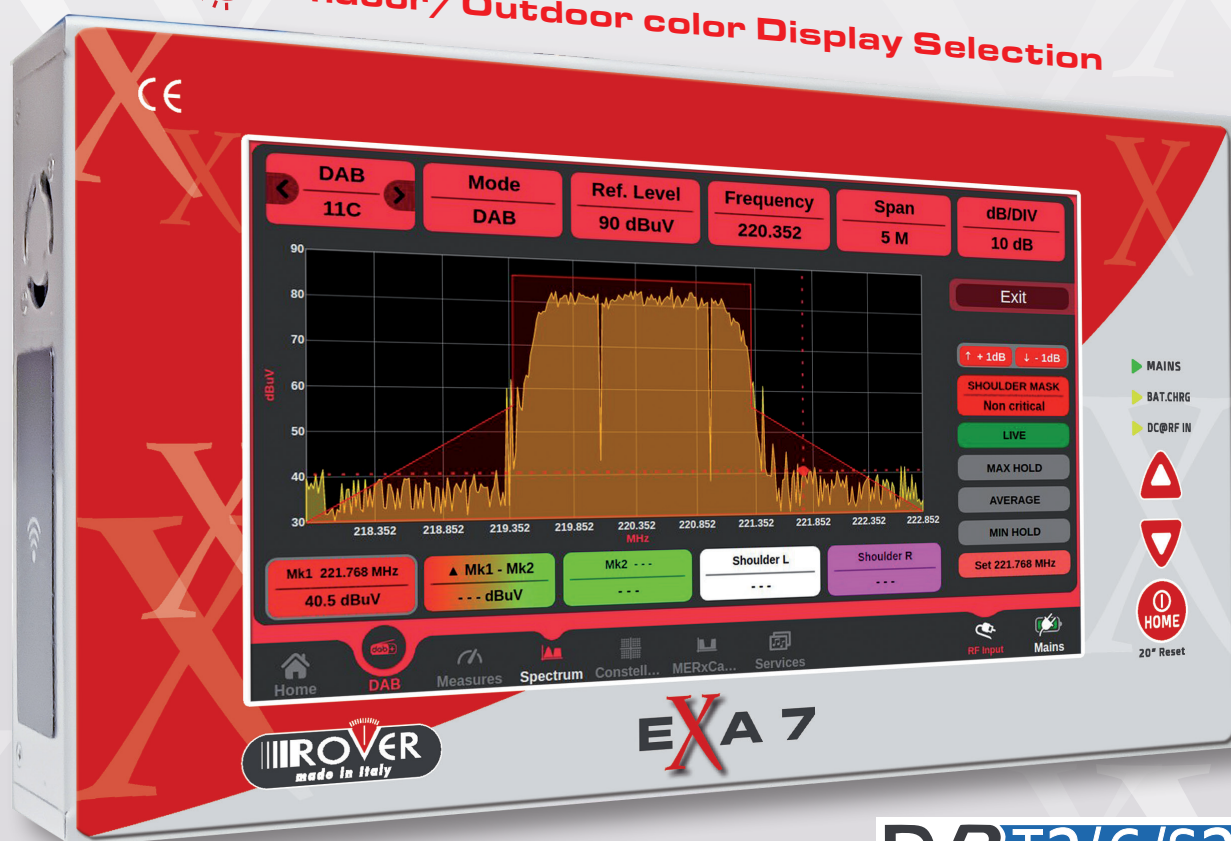


mod. EXA 7

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



Indoor/Outdoor color Display Selection



DVB T2/C/S2

PC
BASED

OPTIC

WiFi

HEVC

IPTV

TV &
SAT

LAN
TESTER

IP
CAM
TESTER

REMOTE
CONTROL

Included

FM
DAB+

GPS

Optional



1972 > 2024 >> 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 dBμV.
- **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

- **7" 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 1,8 Kg.
- **Size**: H 27,0 x W 15,5 x D 4,0 cm (meter only).
- **Aluminium and Steel Housing**.
- **Elite bag with extra padding and storage pocket**.

OPTIONAL FEATURES

- **DAB & DAB+ (HW)**.
- **Radio FM (HW)**.
- **GPS (HW)**.

INCLUDED MAIN FEATURES

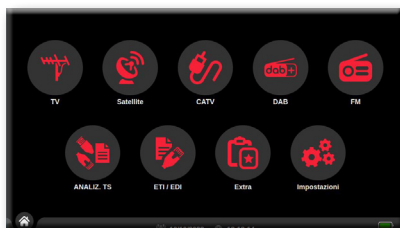
- **PC Based management SW**.
- **Optic Ingress (HW)**.
- **Wi-Fi Analyzer (HW)**.
- **HEVC Pictures**.
- **IPTV (SW)**.
- **TV & SAT Measurements**.
- **LAN Tester**.
- **IP Camera Tester**.
- **LAN Remote Control**.

NOTE:

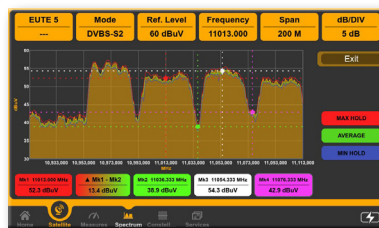
- 1 Some options must be requested when ordering the instrument.
- 2 Features and Function may change without notice.



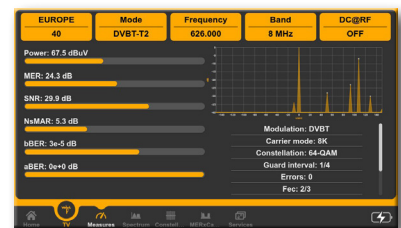
MEASUREMENT EXAMPLES



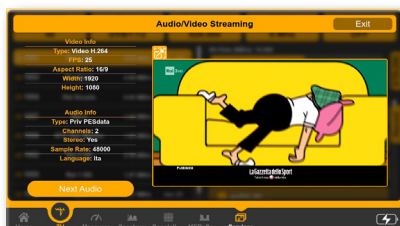
New Icon Navigation Menu



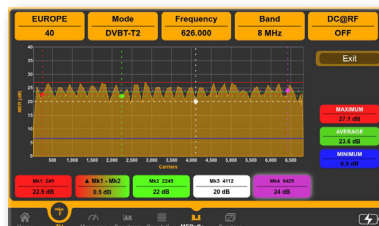
New professional Spectrum



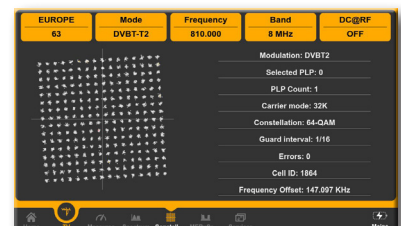
Measures & Echoes



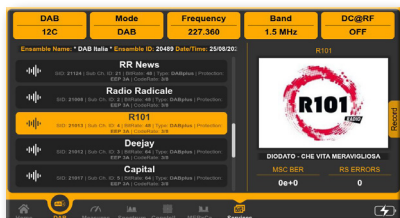
DVB-T2 HEVC Measurements and Pictures



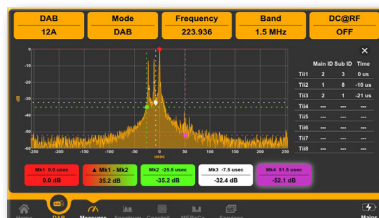
DVB-T2 MER vs CARRIER



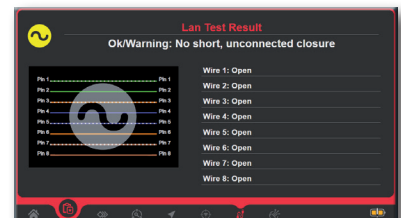
DVB-T2 Constellation



DAB/DAB+ Service Informations (opt.)



DAB/DAB+ Echoes analysis (opt.)



LAN tester