NEW

ﯼ ROVER
INSTRUMENTS

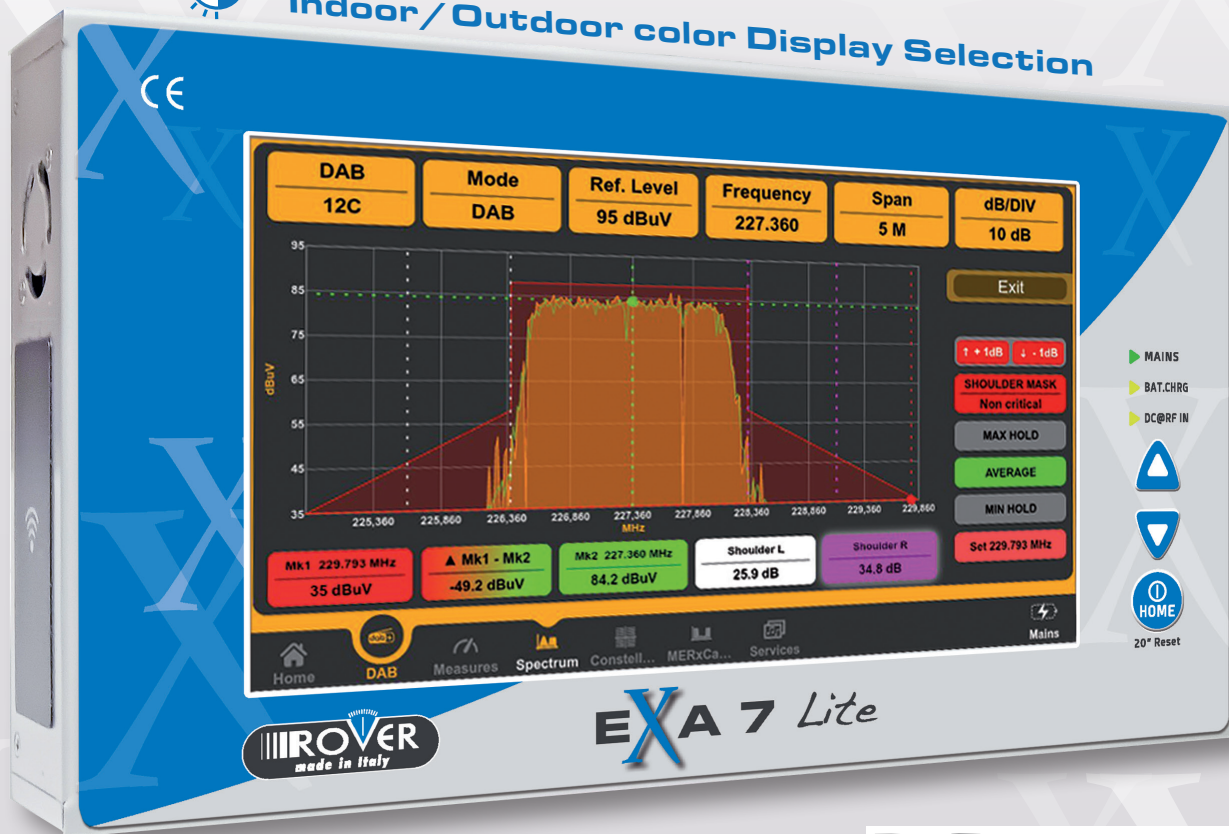# mod. EXA 7 *Lite*

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

Indoor / Outdoor color Display Selection

CE

DAB	Mode	Ref. Level	Frequency	Span	dB/DIV
12C	DAB	95 dBuV	227.360	5 M	10 dB

Exit

↑ +1dB   ↓ -1dB

SHOULDER MASK
Non critical

MAX HOLD

AVERAGE

MIN HOLD

Set 229.793 MHz

MAINS
BAT.CHRG
DC@RF IN

Mk1 229.793 MHz	▲ Mk1 - Mk2	Mk2 227.360 MHz	Shoulder L	Shoulder R
35 dBuV	-49.2 dBuV	84.2 dBuV	25.9 dB	34.8 dB

Home   DAB   Measures   Spectrum   Constell...   MERxCa...   Services   Mains

HOME
20" Reset

ﯼ ROVER
made in Italy

EXA 7 *Lite*

DVBT2/C/S2

PC BASED	HEVC	TV & SAT	LAN TESTER	IP CAM TESTER	REMOTE CONTROL

Included

OPTIC	WiFi	FM DAB+	IPTV

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.**
- **Optical Input** (opt.).
- **WI-FI analyzer** (opt.).
- **HEVC H265 decoder**.
- **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.**
- **IPTV Analyzer.**

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, DOLBY AC3 DD+.

OPTICAL MEASUREMENTS (opz.)

- **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:** Supplied certified external PSU 220 VAC - 12 Vdc 3A.
- **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.**
- **Bag with padding and belt for carry and usage.**

OPTIONAL FEATURES

- **DAB & DAB+ (HW).**
- **Optic Ingress (HW).**
- **WI-FI Analyzer (HW).**
- **Radio FM (HW).**
- **IPTV (SW).**

INCLUDED MAIN FEATURES

- **PC Based management SW.**
- **HEVC Pictures.**
- **TV & SAT Measurements.**
- **LAN Tester.**
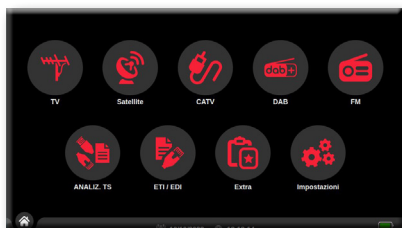- **IP Camera Tester.**
- **LAN Remote Control.**

NOTE:

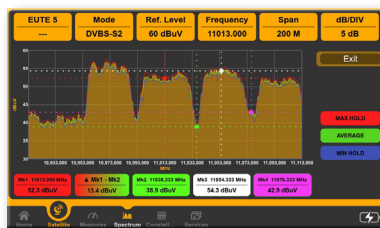*1 Some options must be requested when ordering the instrument.*

2 Features and Function may change without notice.
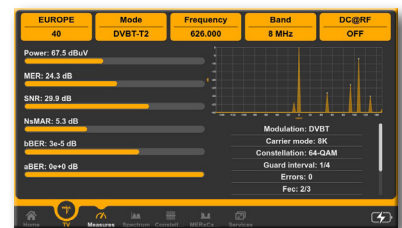
ROVER made in Italy — EXA 7 Lite
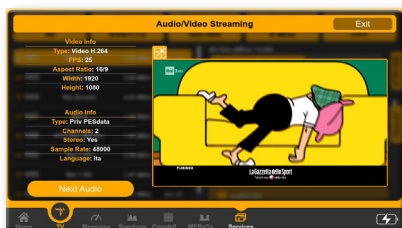
MEASUREMENT EXAMPLES
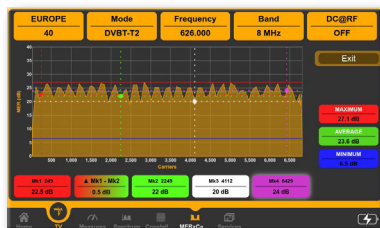

New Icon Navigation Menu
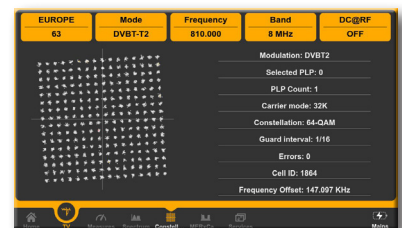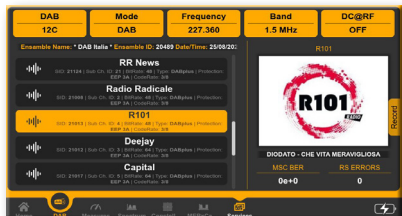

New professional Spectrum

Measures & Echoes

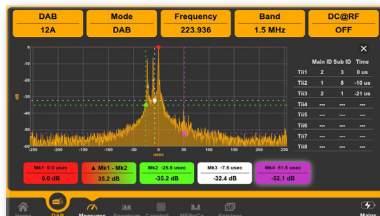DVB-T2 HEVC Measurements and Pictures
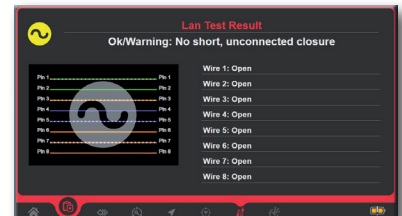

DVB-T2 MER vs CARRIER

DVB-T2 Constellation

DAB/DAB+ Service Informations (opt.)

DAB/DAB+ Echoes analysis (opt.)

LAN tester

V.1 17-7-24

Specifications and features are subject to change without notice.