

THE MOST ADVANCED & ACCURATE **TABLET** ANALYZER



**TFT 7"
16:9 DISPLAY**

TOUCH

**EXCLUSIVE DUAL
COMMANDS**

MECHANICAL

RF IN

75Ω
"F"
Connector

- FREQ. RANGE 5-1250 MHz
- DVB-C – J83B – ATSC – NTSC (US VERSION)
- **OPTICAL INPUT**
- DVB-T, T2/T2 LITE MULT. PLP(OPT.) & C/C2
- ANALOG TV
- FM RADIO
- **DAB & DAB +**
- REAL TIME SPECTRUM (5-1250 MHz)
- GSM BAND
- **LTE ANALYZER**
- INGRESS
- HUM MEASUREMENTS
- ANALOG SIGNAL/NOISE IN QUILINE
- LEAKAGE MEASUREMENTS

LAN

- T.S. LIVE STREAMING
- T.S. RECORDING
- REMOTE CONTROL
- **SNMP & HTTP**

DOCSIS

- DOCSIS 3.0 (4 x 4 OR 8 x 4) CHANNEL BONDING
- 5 TO 1250 MHz FREQ. RANGE FOR DOCSIS 3,1 ANALYSIS
- DOCSIS UPSTREAM TONE GENERATOR 5-65 MHz

OPTIC

FC-ST-3C
INTERCHANGEABLE
CONNECTOR

- POWER METER
- POWER LOSS
- POWER GRAPH
- CATV SPECT & MEAS
- OPTIC TO RF CONVERTER

MONITORING

- 7 DAYS CHANNEL MONITORING
- LOGGER
- REMOTE PC/TABLET CONTROL
- USB ON THE GO FOR LONG TERM LOGGING
- **QOS 24 H WITH NMS**

OPTIONS: check the Cross reference on page 12.

MAIN FUNCTIONS

- Frequency range from 5 to 1250 MHz extended CATV and GSM telephone bands.
- Digital RF measurements 5 MHz to 1,25 GHz including average power/level, pre/post BER, MER versus CARRIER (opt.), Noise Margin, spectral analysis, and constellation.
- INGRESS mode, LEAKAGE mode, BARS SCAN and TILT.
- DOCSIS 3.0 upstream and downstream capabilities, 8 x 4 channel bonding with automatic lock to CMTS, for complete modem installation testing for both forward and return path analysis (opt.).
- Ping report, Network IP configuration.
- Lost Packet measurements, latency time and PER.
- DOCSIS upstream tone generator 5–65 MHz.
- OPTICAL POWER METER with interchangeable FC-ST-SC connector for fiber optic testing (FTTH & FTTX) and troubleshooting (opt.).
- User definable channel scan testing /logging with automatic quality analysis: FAIL-PASS-MARG.
- Assisted navigation, memory plans and automatic channel scan.
- Available with all world-wide channel plans .
- Alpha/numeric keypad for direct chan/freq selection.
- SMART software PC interface for meter upgrades, channel plans and AutoScan testing/logging management.
- Detects, measures and SHOWS pictures of MPEG 2 and 4 H264 HD High Definition programs.
- Automemory, Manual memory & Datalogger functions.
- Barscan TV & CATV function from 10 to 100 channels on one screen.
- Audio, AAC supplied, DOLBY opt.
- 7" TFT TOUCH display, 16:9, high resolution.
- Weighs only 1.6 kg, dim: H 14 x L 24 x D 4 cm.
- LI-POLIMER 4A battery with 4 hr battery capacity.
- Battery test function, to regenerate and measure the batteries and calibrate the battery indicator.
- Supplied with transport padded bag, accessories, mains and vehicle battery chargers.
- Free SMART PC interface program and FW upgrades.

Features and functions may change without notice.

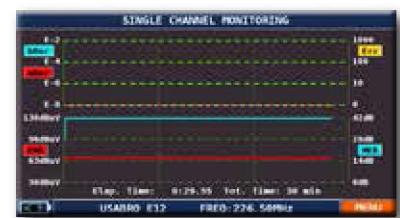
MEASUREMENT EXAMPLES



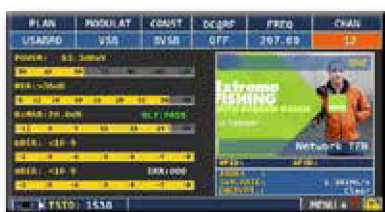
VSB constellation, on the right relative modulation parameters



J83-B constellation, on the right relative modulation parameters



Single channel monitoring (for example 30 minutes)



VSB signal, all the measurements, picture and settings on one screen



J83-B signal, all the measurements, picture and settings on one screen



TV spectrum in real time, fast and super-fast with memory peak. Detects and memorizes all the details for you

SPECIFICATIONS

LEVEL MEASUREMENT & SPECTRUM ANALYSIS

- Frequency Range: TV, CATV & and Radio 5-1250 MHz
- Frequency Resolution: 25 KHz
- RF Input Impedance: 75 Ω (interchangeable "F" connector)
- Dynamic Range: 1 dBuV to 125 dBuV
or -59 to +65 dBmV
or -112 to +16 dBm
- Measurement Resolution: 0.1 dB
- Level Measurement Accuracy: 1 dB typ. (2 dB max.)
- A/V Ratio: up to 22 dB, +/- 1.5 dB (2 dB max.)
- S/N Ratio: up to 45dB +/-1.5 dB Max; 45-50dB +/-2dB
- Resolution Filter Bandwidth: 100 KHz @ -3 dB
- Custom Channel Plans: 25 (199 ch. per plan)

POWER & DIGITAL MEASUREMENTS

- Frequency Band: 5-1250 MHz
- Power Meas. Dynamic Range: 25 to 125 dB μ V, -45 to 65 dBmV
- BER Measurement: (pre) bBER up to 1 x 10⁻⁹
(post) aBER up to 1 x 10⁻⁹
- MER Measurement: up to 40 dB (1 dB typ., 2 dB max.)

OPTICAL MEASUREMENTS

- FC-ST-SC interchangeable input connectors
- Automatic loss calculation
- Wavelengths (nm): 850,1310, 1490, 1550
- Range: -25 to 10 dBm
- Resolution: 0.1 dB
- Accuracy: +/- 0.5 dB
- Optical to RF conversion

INGRESS & SPECTRUM MEASUREMENTS

- Ingress Scan Spectrum
- Frequency: 5 -65 MHz
- Level: 5 dBuV to 125 dBuV
- Accuracy: +/- 2dB
- BW: 100 KHz @ -3dB

LEAKAGE MEASUREMENTS

- Frequency Range:
- 115-140 MHz (USA), 250-430 MHz (EUROPE)
- Resolution: 25 KHz
- Antenna type: selectable

DOCSIS DOWNSTREAM MEASUREMENTS

- DOCSIS 3.0 Compliant Modem (8x4 CH BONDING)
- Frequency Band: 5-1000 MHz
- Input Impedance: 75 Ω (interchangeable "F" connector)

- Range: - 45 to + 65 dBmV
- Measurements Include: Level/Power, MER, Pre/Post BER, Lost Packet, Transmit Power, Transmitted Packets, Received Packets, PER, Latency Min/Max Avg, Channel Bonding Upstream Level and IP Status
- MAC Address: Default or user defined

DOCSIS UPSTREAM & GENERATOR/TESTING

- Tone Generator Frequency: 5-65 MHz
- Modulation: QPSK, QAM, 8,16,32,64
- Typical Range: 8 to 53 dBmV (1 dB typ., 2 dB max.)
- Channel Bonding: Up to 4 upstream channels bonding supported ingress scan spectrum
- Frequency range: 5-65 MHz

COMM. PORTS

- DOCSIS 3.0 and RF: F - Female
- LAN: RJ45 10/100 Ethernet
- USB 2.0: Type B (PC Interface)
- USB 2.0: Type A (USB drive)

GENERAL SPECIFICATIONS

- Power Supply: Built in LiPo rechargeable battery, external power supply 12 VDC 1A
- Battery Duration at 25°C: 4 hours
- Size: H 140 x W 240 x D 50 mm (meter only)
- PC Interface: USB
- Display: Color LCD 7" (480px x 800px)
- Front-Panel: Alpha numeric keypad
- Power Save: TFT backlight timer, brightness adj.
- PC Management: SMART software
- Standard Accessories:
 - Soft carry case and strap
 - USB 2.0 cable
 - AC adapter
 - 12V automotive charging cable
 - RF & optical interchangeable connectors
 - SMART software
- AVAILABLE OPTIONAL APPS: DVB-T/T2, DOCSIS 3.0 Cable Modem (4X4 or 8X4), Optic Input, HD DOLBY, HD MER Vs CARRIER, HD COAX Cable Reflectometer, HD Remote Control, DVB-C2.

WARRANTY

- According to your country's laws (12 to 24 months)
- All electronic parts, except batteries, bag and damage

Visit WWW.ROVERSHOP.IT
to check the available accessories.