

THE PROFESSIONAL & ACCURATE TOUCH SCREEN ANALYZER



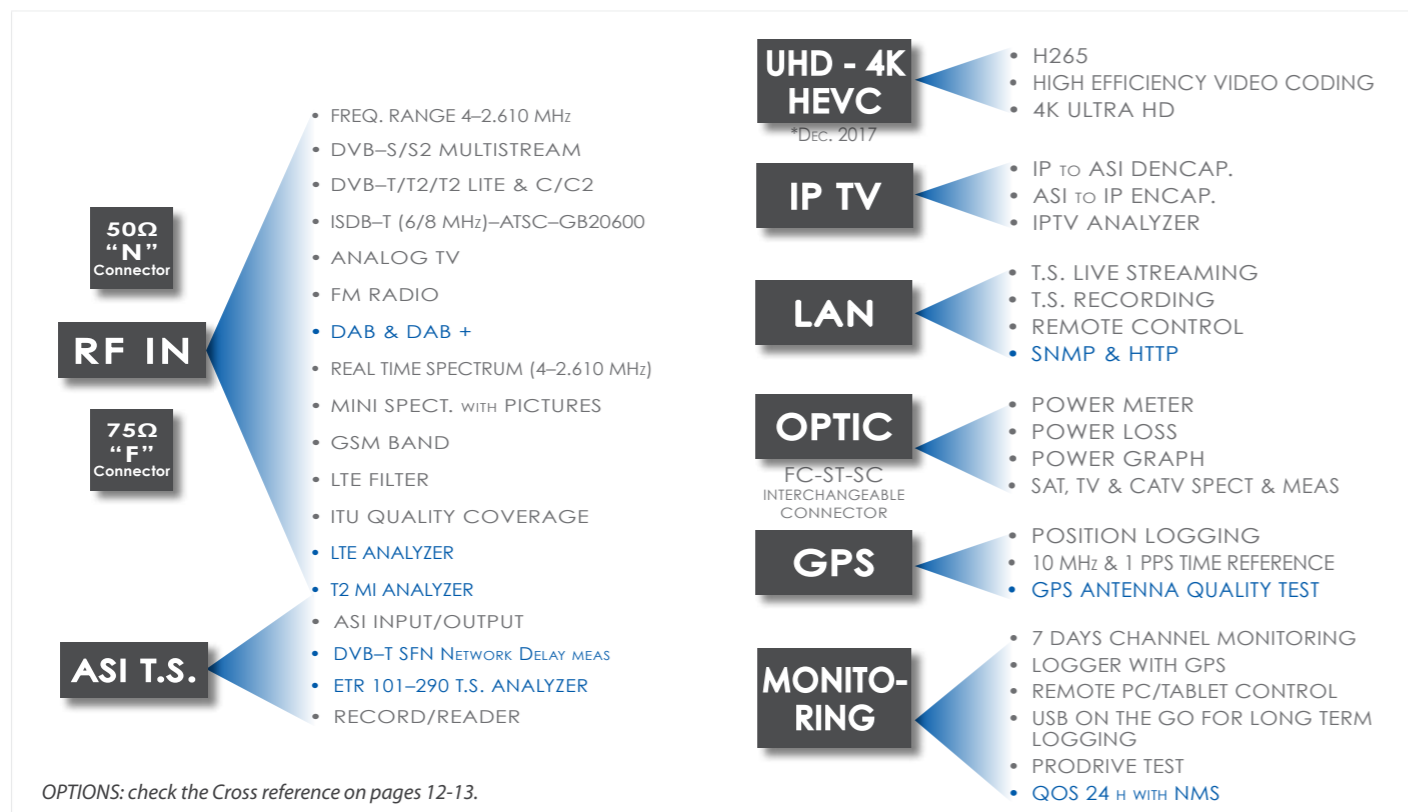
DVB-T2/C2/S2
UHD - 4K - HEVC*

9" HIGH BRIGHTNESS 16:9 DISPLAY

FULL TOUCH Excludable

EXCLUSIVE DUAL COMMANDS

MECHANICAL Keys & Encoder



OPTIONS: check the Cross reference on pages 12-13.

MAIN FUNCTIONS

SPECIAL FUNCTIONS

- ETR 101-290 T.S. Analyzer.
- Exclusive patented ROVER AUTODISCOVERY system: auto-matically detects and selects analog and digital COFDM/QAM TV signals in both measurement and spectrum mode.
- HELP function: 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.
- PRODRIVE TEST: REMOTE MONITORING and LOGGING: TS, measurements, spectrum, thumbnails.
- Optical Input signals.
- SATELITE: SAT SCR, DiSeqC, SCR & dCSS, Motorized antenna, Dual LNB, SAT FINDER, SAT EXPERT
- 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.
- Free SMART PC interface program and FW upgrades.
- OPTIONS*: check the Cross reference on pages 12-13.

SPECIFICATIONS: MEASUREMENTS & SPECTRUM ANALYSIS

- Frequency Range: TV, CATV & Radio: 4-1000 MHz; SAT: 950-2610 MHz.
- Frequency Resolution: TV & CATV 25 KHz; SAT: 5 or 1 MHz selectable.
- Power range Meas.: TV 28 to 130 dBμV, SAT 30 to 130 dBμV.
- Digital Meas: Digital Power, MER (32 to 42 dB depending on modulation), BER, PER, LDPC, BCH, Noise Margin, MER versus CARRIER.
- Analog Meas & Picture: Analog level, V/A ratio.
- 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 or 5 MHz @ -3 dB selectable.
- Constellation: for TV/CATV and SAT signals.
- Spectrum: Real time, 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.
- TS: TR 101-290 v1.2.1 ANALYSIS, SI, PMT, bit rate, network delay, MPEG services and tables.
- IPTV: measurements and picture decoding.

OPTICAL MEASUREMENTS

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



Some options must be requested when ordering the instrument.

	HD TAB 4 Easy	HD TAB 4 Touch	HD TAB 7 Lite	HD TAB 7 Evo	HD TAB 700	HD TAB 700 Plus	HD TAB 900	HD TAB 900 Plus
FREQ. RANGE	44 - 2.150 MHz	44 - 2.150 MHz	4 - 2.600 MHz	4 - 2.600 MHz	4 - 2.600 MHz	4 - 2.600 MHz	4 - 2.600 MHz	4 - 2.600 MHz
LEVEL RANGE	30 - 100 dBµV	30 - 100 dBµV	28 - 130 dBµV	28 - 130 dBµV	28 - 130 dBµV	28 - 130 dBµV	28 - 130 dBµV	28 - 130 dBµV
STANDARD T/T2/T2 LITE/S/S2/C/C2	• (no C2/T2/T2 LITE)	• (no C2)	• (no C2)	• (no C2)	• (no C2)	• (no C2)	• (C2 opt.)	• (C2 opt.)
DVB S2 MULTISTREAM	-	-	-	-	-	-	•	•
WIDE BAND IN	-	-	-	-	•	•	•	•
DAB	-	-	opt.	opt.	-	-	opt.	opt.
CAM C.I.	-	-	-	-	-	-	-	-
LTE ANALYSIS	-	-	•	•	•	•	•	•
OPTICAL INPUT	-	-	opt.	•	opt.	•	opt.	•
H265 HEVC	-	-	-	-	-	-	opt.	opt.
SAT EXPERT	-	-	opt.	•	•	•	•	•
TS ANALYZER ETR 101 290	-	-	-	-	-	-	-	-
MER VS CARRIER	-	-	opt.	•	•	•	•	•
MER	•	•	•	•	•	•	•	•
CONSTELLATION	• ONLY CATV/SAT	•	•	•	•	•	•	•
DiSeqC - dCSS - SCR	•	•	•	•	•	•	•	•
REFLECTOMETER	-	-	opt.	•	opt.	opt.	•	•
MINISPECTRUM	-	-	-	-	-	-	opt.	opt.
ECHOES ANALYSIS	-	-	•	•	•	•	•	•
ANALOG TV	MEAS only	MEAS & PICT	MEAS only	MEAS & PICT	MEAS only	MEAS & PICT	MEAS only	MEAS & PICT
Wi-Fi	-	-	-	-	opt.	opt.	opt.	opt.
GPS	-	-	-	-	-	-	-	-
NOISE MARGIN GRAPH	-	-	•	•	•	•	•	•
IPTV	-	-	-	-	-	-	opt.	opt.
ASI IN OUT	-	-	-	-	-	-	-	-
REMOTE MONITORING	-	-	opt.	opt.	opt.	opt.	opt.	•
DRIVE TEST	-	-	-	-	-	-	-	-
DOLBY AC3DD +	opt.	opt.	opt.	opt.	opt.	opt.	opt.	•
VIDEO IN RCA (CVBS)	-	•	•	•	•	•	•	•
HDMI OUT	-	-	-	•	-	-	•	•
USB	B	B	A + B	A + B	A + B	A + B	A + B	A + B
TFT	4,3"	4,3" Touch	7" Touch	7" Touch	7" Touch	7" Touch	9" Touch	9" Touch
TOUCH SCREEN	-	•	•	•	•	•	•	•
WEIGHT & DIMENSIONS	1 Kg /12 x 18,5 x 4,5 cm	1 Kg /12 x 18,5 x 4,5 cm	2 Kg /14 x 24 x 4 cm	2 Kg /14 x 24 x 4 cm	1,4 Kg /13 x 25,5 x 4 cm	1,4 Kg /13 x 25,5 x 4 cm	1,8 Kg /15,5 x 27 x 4 cm	1,8 Kg /15,5 x 27 x 4 cm
BATTERY CAPACITY	2 A h	2 A h	2 A h	4 A h	2 A h	2 A h	4 A h	4 A h
BAG	EASY BAG	EASY BAG	RUGGED BAG	RUGGED BAG	RUGGED BAG	RUGGED BAG	RUGGED BAG	RUGGED BAG
DOCSIS	DOWN STREAM	DOWN STREAM	DOWN STREAM	DOWN STREAM	DOWN STREAM	DOWN STREAM	DOWN STREAM	DOWN STREAM



Some options must be requested when ordering the instrument.

	HD TAB 9	HD TAB 9 Plus	HD PROTAB
FREQ. RANGE	4 - 2.600 MHz	4 - 2.600 MHz	4 - 2.600 MHz
LEVEL RANGE	28 - 130 dBµV	28 - 130 dBµV	28 - 130 dBµV
STANDARD T/T2/T2 LITE/S/S2/C/C2	• (C2 opt.)	• (C2 opt.)	• (C2 opt.)
DVB S2 MULTISTREAM	•	•	•
WIDE BAND IN	-	•	-
DAB	opt.	opt.	opt.
CAM C.I.	•	•	•
LTE ANALYSIS	•	•	•
OPTICAL INPUT	opt.	•	opt.
H265 HEVC	opt.	opt.	opt.
SAT EXPERT	•	•	•
TS ANALYZER ETR 101 290	opt.	•	opt.
MER VS CARRIER	•	•	•
MER	•	•	•
CONSTELLATION	•	•	•
DiSeqC - dCSS - SCR	•	•	•
REFLECTOMETER	•	•	•
MINISPECTRUM	opt.	•	opt.
ECHOES ANALYSIS	•	•	•
ANALOG TV	MEAS & PICT	MEAS & PICT	MEAS & PICT
Wi-Fi	opt.	opt.	opt.
GPS	opt.	opt.	opt.
NOISE MARGIN GRAPH	•	•	•
IPTV	opt.	opt.	opt.
ASI IN OUT	opt.	•	•
REMOTE MONITORING	•	•	•
DRIVE TEST	opt.	opt.	opt.
DOLBY AC3DD +	opt.	•	opt.
AUDIO/VIDEO IN JACK 3,5 mm (CVBS)	•	•	•
HDMI OUT	•	•	•
USB	A + B	A + B	A + B
TFT	9" Touch	9" Touch	10" Touch high brigh.
TOUCH SCREEN	•	•	•
WEIGHT & DIMENSIONS	2,6 Kg /29 x 17 x 5,5 cm	2,6 Kg /29 x 17 x 5,5 cm	3,2 Kg /32 x 17,5 x 6 cm
BATTERY CAPACITY	6 A h	6 A h	10 A h
BAG	RUGGED BAG	RUGGED BAG	RUGGED BAG
DOCSIS	DOWN STREAM	DOWN STREAM	DOWN STREAM

NB: The MENU (texts & graphics) can change, without advice, from model to model and related with the SW version.