

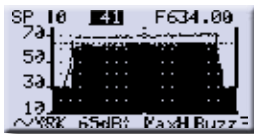
MAIN FEATURES

- TV tuner from 4 to 1.000 MHz, extended CATV band and GSM band
- Exclusive ROVER **Autodiscovery** system: automatically recognises and selects analog and digital TV signals in both measurement and spectrum mode
- Automatic quality analysis: FAIL-MARG-PASS
- Rotational encoder and numerical keyboard
- New, ultra-bright graphics display
- Visualisation of the program list MPEG-2 – 4 HD and PID A/V
- Auto and Manual memories, Data Logger
- Weighs only 1 kg, H 16,5 x L 22,5 x D 8,0 cm
- Up to 5-hour battery autonomy
- Supplied with hard case for transport, soft bag, mains adaptor and 12V vehicle adaptor
- Upgradeable online (USB-2 socket)
- **Bluetooth communication (optional)**

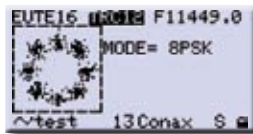
NEW

MASTER Series

The ultra-compact, a step ahead



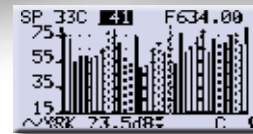
Digital TV Spectrum with memory peak



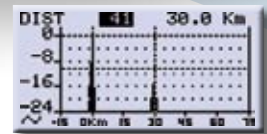
DVB-S2, 8PSK, COFDM, QAM constellations and modulation parameters



MPEG Program list and A/V PID



TV Bars Scan
█ = analog █ = digital



Impulse response (ECHO in TV COFDM)

For technical specifications and product cross-reference, see pages 16-17-18 and/or eventual specific product brochure

Mod. MASTER SAT DUB-S

ULTRA-PORTABLE, PROFESSIONAL ANALYZER, 930–2.250 MHz, FOR ANALOG & DIGITAL QPSK SAT SIGNALS

- Pre-memorized Transponder navigation in all satellites worldwide
- Assisted satellite dish pointing, double input (DUAL LNB) and Sat finder functions
- MER, aBER, bBER, EVM, Noise Margin, Level/Power measurements and spectrum analyzer
- All DiSEqC commands and SCR Ready with automatic search

Mod. MASTER SAT2 DUB-S & S2

ULTRA-PORTABLE, PROFESSIONAL ANALYZER, 930–2.150 MHz, FOR ANALOG & DIGITAL QPSK–8PSK SAT SIGNALS

- Pre-memorized Transponder navigation in all satellites worldwide
- Assisted satellite dish pointing, double input (DUAL LNB) and Sat finder functions
- Constellation visualization, MER, aBER, bBER, EVM, Noise Margin, Level/Power measurements and Spectrum Analyzer
- All DiSEqC commands - SCR with automatic search

Mod. MASTER TV DUB-T & H

ULTRA-PORTABLE, PROFESSIONAL ANALYZER, 47–870 MHz, FOR ANALOG & DIGITAL COFDM TV SIGNALS

- Pre-memorized TV channel plans for all countries worldwide
- Constellation visualization, impulse response (ECO), MER, aBER, bBER, Noise Margin, Level/Power meas. and Spectrum Analyzer

Mod. MASTER CABLE DUB-C / J83 B & C / DOCSIS D.S.

ULTRA-PORTABLE PROFESSIONAL ANALYZER, 4–870 MHz, FOR ANALOG & DIGITAL QAM TV SIGNALS

- Pre-memorized TV channel plans for all countries worldwide
- Constellation visualization, MER, aBER, bBER, Noise Margin, Level/Power measurements and Spectrum Analyzer
- CATV MEAS: DOCSIS downstream, INGRESS mode, LEAKAGE mode, BARS SCAN and TILT





Mod. MASTER STC DUB-S & S2 / DUB-T & H / DUB-C / J83-B & C / DOCSIS D.S.

ULTRA-PORTABLE, ALL-IN-ONE, PROFESSIONAL ANALYZER, 4–2.150 MHz FOR SAT-TV & CABLE SIGNALS

- Pre-memorized Transponder navigation in all satellites worldwide and in all the worldwide standard TV channel plans
- Assisted satellite dish pointing, double input (DUAL LNB) and Sat finder functions
- All DiSEqC commands and SCR Ready with automatic search
- Constellation visualization, MER, aBER, bBER, EVM, Noise Margin, Level/Power measurements and Spectrum Analyzer
- CATV MEAS: DOCSIS downstream, INGRESS mode, LEAKAGE mode, BARS SCAN and TILT
- Available options: with ATSC 8VSB (USA) or DMB-T Single and multicarrier (CHINA)

Code	Options	MASTER SAT	MASTER SAT2	MASTER TV	MASTER CABLE	MASTER STC
S2-8PSK-OPT	DVB-S2 (8PSK) hardware up-grade, in factory (valid until the end of 2008)	✓				
TRA-BNCF-FFEM	"BNC" female interchangeable input connector	✓	✓	✓	✓	✓
TRA-FFEM-NFEM	"N" female interchangeable input connector	✓	✓	✓	✓	✓
RIGHTS-SMART-1	Authorisation code for the PC management SMART PRO. SW program	✓	✓	✓	✓	✓
BLUETOOTH	HW, for Bluetooth communications (optional customised SW)	✓	✓	✓	✓	✓

Technical Specifications and Cross-Reference

MAIN SPECIFICATIONS		SIZE (mm) H-L-D	165x225x80	165x225x80	165x225x80	165x225x80	165x225x80				
		WEIGHT (Kg)	1.1	1.1	1.1	1.1	1.2				
		Hard Case & Soft Bag	●	●	●	●	●				
		Battery Duration (hours)	3h	3h	2.5h	2.5h	2.5h				
		Multi-language Graphics Display	64x128 high brightness	64x128 high brightness	64x128 high brightness	64x128	64x128 high brightness				
		TFT Color Display									
		MEMORY	Total Logger	99	99	99	99	99			
			PROGS per PLAN	199	199	199	199	199			
			Total PLANS	99	99	99	99	99			
		Tuning System and NAVIGATION	Transp./ Freq./ Prog. in Meas and Spect	Transp./ Freq./ Prog. in Meas and Spect	Chan./ Freq./ Prog. in Meas and Spect	Chan./ Freq./ Prog. in Meas and Spect	Transp./ Ch./ Freq./ Prog. in Meas and Spect				
		Level Accuracy (dB)	1.5 Typ.	1.5 Typ.	1.0 Typ.	1.0 Typ.	1.5 Typ. SAT 1.0 Typ. TV				
		Dynamic Range dBuV-(dBmV-dBm)	30 - 123	30 - 123	5 - 120	5 - 120	30 - 126 SAT 5 - 126 TV				
SW Upgrades via Internet	● USB2	● USB2	● USB2	● USB2	● USB2						
SPECIAL FUNCTIONS		NAVIGATION ENCODER & NUMERIC KEYPAD	●	●	●	●	●				
		SAT TRANSPONDER DIRECT NAVIGATION	●	●	●	●	●				
		NETWORK DATA & PROGRAM. NAMES	●	●	●	●	●				
		TV PROGRAMS AUTOMEMORY			●	●	●				
		DRIVER for LNB S.C.R.	●	●			●				
		DiSEqC a-b-c-d & USALS MOTOR	●	●			●				
		Dual LNB SAT POINTER	●	●			●				
		SAT FINDER	●	●			●				
		REMOT POWER SUPPLY VOLTAGES	5V-12V-18V	5V-12V-18V	5V		5V-12V-18V-24V				
		BLUETOOTH CONNECTION	● opt.	● opt.			● opt.				
		BARSCAN and TILT				●	●				
		INGRESS and LEAKAGE				●	●				
		AUDIO-VIDEO		DIRECT CONDIT. ACCESS SYSTEM							
AN. TV SOUND and RADIO					●	●	● Analog				
ANALOG TV PICT											
MPEG2 & 4 HD DECODER											
MPEG2 DECODER	Network Iden. PRO-GRAMS and PID only	Network Iden. PRO-GRAMS and PID only	Network Iden. PRO-GRAMS and PID only	Network Iden. PRO-GRAMS and PID	Network Iden. PRO-GRAMS and PID only						
MEASUREMENTS		SPECTRUM ANALYSIS with MEMORY PEAK	●	●	●	●	●				
		DIGITAL QUALITY FAIL-MARG-PASS	●	●	●	●	●				
		CONSTELLATION & IMPULSE RESPONSE		●	●	●	●				
		DEMODULATED M.E.R.-B.E.R.-SNR-EVM NOISE MARGIN	8VSB or DMB-T				● opt.	● opt.			
			QAM			●	●	●			
			COFDM			●	● opt.	●			
8PSK			●			●					
QPSK	● EVM	●			●						
FREQUENCY RANGE 75 Ω F-IEC-BNC conn. (opt. N conn.)		SAT	930-2.250	930-2.250			930-2.250				
		TV			47-870	47-1000 MHz.	47-1.000				
		CATV				4-1000 MHz.	4-1.000				
		RADIO			47-870	4-1000 MHz.	4-1.000				
MODEL		MASTER SAT		MASTER SAT2		MASTER TV		MASTER CABLE		MASTER STC	