TE-3000

HD Spectrum Analyzer

Features

- Advanced Color TV/SAT Meter
- Lightweight, Durable
- Weather Resistant
- Button and touch-screen control
- Bright 7" HD screen
- Compatible with all digital modulation schemes
- ASI/IP input stream analysis
- Built in decoder/receiver HD/SD
- Supports all RF DVB standards
- DVBS, DVBS2 (QPSK, 8PSK, 16 APSK, 32 APSK)

The **TE-3000** has set the standard for field testing equipment. Not only is it a comprehensive RF test set but also a stream analyzer. Able to cover all your RF terrestrial and satellite needs. All modulation types can be analyzed along with their associated measurements. Stream analysis accommodates IP and ASI inputs.
You can now test your signal all the way through from RF level to data level! The advanced design has allowed for a bigger 7" HD bright screen as well as touch-screen and button control–all at your fingertips!

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Specifications: TE-3000 Spectrum Analyzer

GENERAL SPECIFICATIONS	
Inputs and outputs	
RF input	F male connector, 75 Ω
Video/Audio input/output	2 jack multipole connectors
DVB-ASI input/output	BNC female, 75 Ω (maxbitrate80 Mbps)
IPinterface	RJ45 connector, ethernet10/100/1000 Mbps. UDP/RTP protocol
USB interface	Mini-USB. Mass storage host, Serial port emulation, USB CDC “Communications Device Class”
Monitor display	7” touch screen TFT, 16:9
External units power supply	Through the RF input connector
Terrestrial band	External, 5, 12 and 24 V
Satellite band	External, 13 V, 15 V, 18 V
22 kHz signal	Selectable in Satellite band
DiSEqC generator	According to DiSEqC 1.2 standard (1)
Dimensions and Weight	290 (W.) x 185 (H.) x 95 (D.) mm. 2.2 kg.
Battery operation tim	> 5 hours in continuous mode
Included accesories	Jack 4V/RCA cable, USB Cable On-the-go (A) Male – Mini USB (B) Male connection cable, USB Cable (A) Female – Mini USB (A) Male connection cable, Car lighter charger, External DC charger, F/H to BNC/H / DIN/H / F/H adapters, Mains cord, Transport belt, Carrying bag, Transport suitcase, Quick Ref. Guide
MEASUREMENT MODE	Displayed data: Numeric and level bar
Frequency margin	From 5 to 1000 MHz (Terrestrial), from 950 to 2150 MHz (Satellite)
ATSC 8-VSB	Power (45 dBµV to 115 dBµV), SER, VBER, MER, C/N and Noise margin
J83 Annex B COFDM	Power (35 dBµV to 115 dBµV), BER, MER, C/N and Noise margin
DVB-C QAM	Power (45 dBµV to 115 dBµV), BER, MER, C/N and Link margin
PAL, SECAM and NTSC analogue television	M, N, B, G, I, D, K and L
FM radio	Level measurement
DVB-S QPSK	Power (35 dBµV to 115 dBµV), CBER, MER, C/N and Link margin
DVB-S2 QPSK, 8PSK, 16APSK, 32APSK	Power (35 dBµV to 115 dBµV), CBER, LBER, MER, C/N, BCH ESR, wrong packets and Link margin
DSS QPSK	Power (35 dBµV to 115 dBµV), CBER, VBER, MER, C/N and Link margin
SPECTRUM ANALYZER MODE	
Frequency margin	From 5 to 1000 MHz (Terrestrial), from 950 to 2150 MHz (Satellite)
Reference level	From 60 dBµV to 135 dBµV (Adjustable in steps of 5 dB)
Span	Full span / 500 MHz / 200 MHz / 100 MHz / 50 MHz / 20 MHz / 10 MHz
Measurement range	From 10 to 130 dBµV
Measurement bandwidth	100 kHz
VIDEO	
Codecs	MPEG-1, MPEG-2, MPEG-4 AVC H.264
Max image size	1920x1080x60i; 1280x720x60p/50p
AUDIO CODECS	MPEG-1, MPEG-2, HE-AAC, Dolby Digital and Dolby Digital Plus
TOOLS	Constellation diagram, Dynamic echoes analysis, LTE ingress test, Attenuation test (2), Datalogger mode (3), PLS code selection, ISI filtering, Transport Stream Analyser, Screenshots key
OPTIONS	Optical fibre (Selective OPM + Optical to RF converter + 5 GHz aux RF input) DAB / DAB+ digital radio GPS

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