

DIGIMETER TOUCH

Professioneller Messempfänger für DVB-T2-, DVB-C-, DVB-S2- und DAB+ Messung

Colour	EAN	Item no.	Weight (Box)	Weight	Device (W x H x D)	Box
blue	4019588034327	0000/3432	2,3 kg	995 g	24 x 17 x 5 cm	36 x 9 x 27 cm

TOP FEATURES

DVB-T2-, DVB-C-, DVB-S2-Messung	7" 16:9 TFT color-LCD-Display	Echtzeitspektrum, Frequenzbereich von 4 bis 2.600 MHz
Konstellationsdiagramm	MPEG-2 & MPEG-4 picture playout	SAT Expert-Funktion
more than 40 satellite positions with all their frequencies are pre-programmed	HDMI-Ausgang	Lithium ion battery 7,4 V / 4.3 Ah

Data-Logger, USB-Schnittstelle, HDMI, Video in; USB 2.0, LAN RJ45, Optical in (optional), DISEqC, 1.0 + 1.2, SCR-Funktion (EN50494 + 50607) für TechniRouter

FREQUENCY RANGE

TV digital & analogue - Radio FM: 4 ... 930 MHz

Digital & analogue satellite: 930 ... 2.600 MHz

Memory schema: bis zu 99 Pläne

Programmes: 199 Programme je Plan

AMBIENT OPERATING CONDITIONS

Ambient temperature: -10 ... 50 °C

Humidity: 10 ... 90 %

DISPLAY

Type: TFT-Farb-Touchdisplay (7", 16:9)

GENERAL CHARACTERISTICS
Input impedance: 75 Ω
Replaceable input jack: F, IEC, BNC
RF input protection: max. 60 V AC
RF level: 30 ... 125 dBµV
Measurement result indication: PEGEL/POWER niedrig/hoch
File Manager: zur Organisation des Programm- und Messdatenspeichers
ENCODER/dial: Ja
LNB stream measurement: 0 ... 500 mA
Measurements display / classification: 0,1 dB (Pegel und Power)
Unit of measurement: dBµV/dBm (wählbar)
RBW @ -3dB: 100 kHz (FM), 130 kHz (TV), 4 MHz (SAT)
Accuracy of measurement: typ. 1,5 dB SAT; 1 dB TV
Measurement stability dB/°C (-10°C - 50°C): 0,03 (TV); 0,1 (SAT)
Automatic power off via timer: 5 min (Ein/Aus)
Voltage supply: DC 12 V / 1 A
Audio: Lautsprecher (0,5 W) (regelbare Lautstärke)
Sound/buzzer: für Qualität oder Pegel-Indikation (wählbar)
Interface: USB 2.0
Audio/Video input/output: HDMI-Ausgang
Low battery alarm: Akustisch und über Symbol im Display

MEASUREMENT SAT
Satellite spectrum analysis: DVB-S, DVB-S2
Reception range: 930 ... 2.600 MHz
DiSEqC "a-b-c-d": vorprogrammiert und einfach zu nutzen. Zur Ansteuerung aller LNBs (Single- und Dual-Feed) und Multischalter
RF voltage: 5 - 13 - 18 - 24 V
S.C.R: EN 50494 & EN 50607
LNB LO frequency: 0 ... 20.000 MHz
SPAN: 10, 20, 50, 100, 200, 500, FULL SAT, Satexpert
Filter measurement bandwidth: 1 MHz und 5 MHz @ -3 dB
db / div: 1, 2, 5, 10
Reference level: 0 ... 130
Other configurable spectrum parameters / functions: MAX HOLD (peak memory) / freeze MAX Value, SAT POINTING ideal Parameter-settings for the oreintation of an SAT-antenna
MRK measurement illustration: 0,1 dB
Dynamic range display: > 30 dB
Noise Margin / Signal Reserve and SNR accuracy of measurement: 1 dB
Symbol rate: 2 ... 45

MEASUREMENT DVB-S2
MPEG-2 and MPEG-4 HD: Ja
NET. ID: ONID, NID, NIT, TSID, PMT, LCN, VPid, APid, orbit position
FEC (auto. recognition): 1/2, 2/3, 3/4, 4/5, 5/6, 6/7, 7/8, 8/9

MEASUREMENT TV TERRESTRIAL

- TV spectrum analyser: DVB-T, DVB-T2, DVB-C, Analog TV, DAB+*
- Frequency range: 4 ... 930 MHz
- Reception range: 4 ... 65 MHz
- SPAN TV band (spread): 1, 2, 5, 7, 10, 20, 50, 100, 200, 500, FULL, VHF, UHF, 4/66
- db / div: 5, 10
- Dynamic range: 60 dB
- Measurements display: 0,1 dB
- Filter measurement bandwidth: TV 130 @ -3 dB
- Reference level: 0 ... 130
- Automatic power / level position marker: für Digital-Signale im Zentrum des Trägers; für analoge Signale auf dem Video-Träger
- Other configurable spectrum parameters / functions: MAX HOLD (max. Wert einfrieren)
- INGRESS spectrum: 4 ... 66 MHz
- Leakage / interference radiation measurement: Antenne und Entfernungsparameter einstellbar

MEASUREMENT DVB-T

- Offset frequency: 166 kHz
- MER and BER measurement tolerances: 1 dB typ. (2 dB Max.)
- MER measurement: ≤ 38 dB
- BER: bBER bis zu 1x10E-5; aBER bis zu 2x10E-8
- Automatic recognition and display: Constellation, Guard Interval, FEC
- Constellation: COFDM / QPSK, 16-QAM, 64-QAM, 256-QAM
- Guard interval: 1/4, 19/128, 1/8, 19/256, 1/16, 1/32, 1/128
- FEC: 1/2, 2/3, 3/4, 5/6, 7/8
- Spectrum inverted: automatisch
- Automatic quality analysis: FAIL - MARGIN - PASS
- Noise Margin / Signal Reserve and SNR accuracy of measurement: 1 dB

MEASURING DVB-C

- Demodulated QAM signals: DVB-C (Annex A, B, C), Downstream DOCSIS
- Symbol rate: 2.000 ... 9.000
- Constellation diagram display: 16-, 32-, 64-, 128-, 256-QAM
- MER measurement: 64-QAM > 36dB; 128-QAM > 38dB; 256-QAM > 40dB
- BER measurement: bis zu 1 x 10E-9
- Spectrum inverted: automatisch
- Multiplex flatness: 0,7 dB typ.
- Automatic quality analysis: FAIL - MARGIN - PASS
- Noise Margin / Signal Reserve and SNR accuracy of measurement: 1 dB
- C/N measurement tolerance: 60 dB im Spectrum typ.

MEASUREMENT TV ANALOG

- Multi standard: PAL(M-N-B-G-I-D-K), NTSC M, SECAM L
- Frequency range: 44 ... 870 MHz
- RF level measurement range: 5 ... 125
- Measurements display: 0,1 dB
- A/V (audio/video) ratio accuracy: 1,5 dB Typ.

POWER SUPPLY

- Nominal voltage: AC 110 ... 240 V
- Frequency: 50 ... 60 Hz
- Mains adapter: extern (Steckernetzteil)
- Rechargeable battery: Li-Ion 7,4 V / 4,3 Ah
- Battery life: bis zu 4 Std. @ 25°C
- Battery charging time: 2 Std. (um 50 % Kapazität zu erreichen)

SCOPE OF DELIVERY

- DIGIMETER TOUCH, Tragetasche mit Trageriemen, Ladegerät/Netzteil, USB-Kabel, Adapterstecker