



DIGIMETER TOUCH

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

EAN	Colour	Item no.	Weight (Box)	Weight	Device (W x H x D)	Box
4019588034327	blue	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 layout

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

AMBIENT OPERATING CONDITIONS

Ambient temperature: -10 ... 50 °C

Humidity: 10 ... 90 %

DISPLAY

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

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

GENERAL CHARACTERISTICS

Input impedance: 75 Ω

Replaceable input jack: F, IEC, BNC

RF input protection: max. 60 V AC

RF level: 30 ... 125 dB μ V

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: dB μ V/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/ $^{\circ}$ C (-10 $^{\circ}$ C - 50 $^{\circ}$ 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 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 DVB-T

Offset frequency: 166 kHz

MER and BER measurement tolerances: 1 dB typ.
(2 dB Max.)

MER measurement: \leq 38 dB

BER: bBER bis zu 1×10^{-5} ; aBER bis zu 2×10^{-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

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 orientation 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

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 1×10^{-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.

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 Entfernungparameter einstellbar

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