



DIGIMETER 9

EAN	Item no.
4019588034297	0000/3429

AMBIENT OPERATING CONDITIONS	MEASUREMENT DVB-S2	MRK measurement illustration: 0.1 dB
Ambient temperature: -10 ... 50 °C	MPEG-2 and MPEG-4 HD: Ja	Dynamic range display: > 30 dB
Humidity: 10 ... 90 %	NET. ID: ONID, NID, NIT, TSID, PMT, LCN, VPid, APid, orbit position	Noise Margin / Signal Reserve and SNR accuracy of measurement: 1 dB
DISPLAY	FEC (auto. recognition): 1/2, 2/3, 3/4, 4/5, 5/6, 6/7, 7/8, 8/9	Symbol rate: 2 ... 45 MS/s
Type: TFT-Farb-Touchdisplay (9", 16:9)	MEASUREMENT DVB-T	MEASUREMENT TV ANALOG
FREQUENCY RANGE	Offset frequency: 166 kHz	Multi standard: PAL(M-N-B-G-I-D-K), NTSC M, SECAM L
TV digital & analogue - Radio FM: 4 ... 930 MHz	MER and BER measurement tolerances: 1 dB typ. (2 dB Max.)	Frequency range: 44 ... 870 MHz
Digital & analogue satellite: 930 ... 2600 MHz	MER measurement: ≤ 38 dB	RF level measurement range: 5 ... 125 dBμV
Memory schema: bis zu 99 Pläne	BER: bBER bis zu 1x10E-5; aBER bis zu 2x10E-8	Measurements display: 0.1 dB
Programmes: 199 Programme je Plan	Automatic recognition and display: Constellation, Guard Interval, FEC	A/V (audio/video) ratio accuracy: 1.5 dB Typ.
GENERAL CHARACTERISTICS	Constellation: COFDM / QPSK, 16-QAM, 64-QAM, 256-QAM	
Input impedance: 75 Ω	Guard interval: 1/4, 19/128, 1/8, 19/256, 1/16, 1/32, 1/128	
Replaceable input jack: F, IEC, BNC	FEC: 1/2, 2/3, 3/4, 5/6, 7/8	
RF input protection: max. 60 V AC	Spectrum inverted: automatisch	
RF level: 30 ... 125 dBμV	Automatic quality analysis: FAIL - MARGIN - PASS	
Measurement result indication: PEGEL/POWER niedrig/hoch	Noise Margin / Signal Reserve and SNR accuracy of measurement: 1 dB	
File Manager: zur Organisation des Programm- und Messdatenspeichers	MEASUREMENT SAT	
ENCODER/dial: Ja	Satellite spectrum analysis: DVB-S, DVB-S2	
LNB stream measurement: 0 ... 500 mA	Reception range: 930 ... 2600 MHz	
Measurements display / classification: 0.1 dB (Pegel and Power)	DiSEqC "a-b-c-d": vorprogrammiert und einfach zu nutzen. Zur Ansteuerung aller LNBs (Single- und Dual-Feed) und Multischalter	
Unit of measurement: dBμV/dBm (wählbar)	RF voltage: 5 - 13 - 18 - 24 V	
RBW @ -3dB: 100 kHz (FM), 130 kHz (TV), 4 MHz (SAT)	S.C.R: EN 50494 & EN 50607	
Accuracy of measurement: typ. 1,5 dB SAT; 1 dB TV	LNB LO frequency: 0 ... 20000 MHz	
Measurement stability dB/°C (-10°C - 50°C): 0,03 (TV); 0,1 (SAT)	SPAN: 10, 20, 50, 100, 200, 500, FULL SAT, Satexpert	
Automatic power off via timer: 5 min (Ein/Aus)	Filter measurement bandwidth: 1 MHz und 5 MHz @ -3 dB	
Voltage supply: DC 12 V / 3A	db / div: 1, 2, 5, 10	
Audio: Lautsprecher (0,5 W) (regelbare Lautstärke)	Reference level: 0 ... 130 dBμV	
Sound/buzzer: für Qualität oder Pegel-Indikation (wählbar)	Other configurable spectrum parameters / functions: MAX HOLD (peak memory) / freeze MAX Value, SAT POINTING ideal Parameter-settings for the orientation of an SAT-antenna	
Interface: USB 2.0		
Audio/Video input/output: HDMI-Ausgang		
Low battery alarm: Akustisch und über Symbol im Display		

MEASUREMENT TV TERRESTRIAL

TV spectrum analyser: DVB-S2, DVB-T2, DVB-C, AMTV, UKW, 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 dB μ V

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

MEASURING DVB-C

Demodulated QAM signals: DVB-C (Annex A, B, C), Downstream DOCSIS

Symbol rate: 2000 ... 9000 KS/s

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.

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 3 Std. @ 25°C

Battery charging time: 2 Std. (um 50 % Kapazität zu erreichen)