

WISI WA 41 C

DVB-C Analyzer



Description

The WA 41 is a powerful tool to monitor and analyze the Transport Stream traffic that carries information of audio, video and data of the digital television channels. The WA 41 is able to analyze one RF and one ASI inputs.

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Technical data	
Frequency range	47...1000 MHz (Demodulation mode, Downlink), 47...1000 MHz (Spectrum mode, Downlink), 5...85 MHz (Spectrum mode, Uplink)
Tuning	Channel/Frequency/Channel plan
Connectors Input	
RF Downlink	1 x 75 Ohm F female connector
RF Uplink (optional)	1 x 75 Ohm F female connector
Cable modem (optional)	1 x 75 Ohm F female connector
Transport stream (ASI)	1 x 75 Ohm ASI IN BNC
Transport stream (IP, optional)	1 x RJ45 Gigabit Ethernet
Connectors output	
Transport stream	1 x 75 Ohm ASI OUT BNC
Audio/Video	1 x HDMI 1.4
Demodulation Mode	
Frequency range	47...1000 MHz
Demodulation	ITU-T J.83 Annex A/C standard
QAM Constellations	16-, 32-, 64-, 128-, 256- QAM
Symbol rate	2...6,9 MSymb/sec
Q.A.L. Technology (QAM Auto look)	Automatic detection of signal characteristics and modulation parameters
RF Level range	-70...+15 dBm (for a single input channel)
Input sensitivity	-60 dBm
C/N	up to 50 dB
MER	up to 43 dB, (± 2dB), (6,9 MSym/s, QAM 256, Level > -45 dBm), (Resolution 0,1 dB)
BER (Annex A/C)	1.0E-3 to 1.0E-9
PreBER (Annex B)	1.0E-3 to 1.0E-8
PostBER (Annex B)	1.0E-3 to 1.0E-9
Spectrum Downlink	
Frequency range	47...1000 MHz
Span	10, 20, 50,100, 200, 500, 1000 MHz
Automatic Reference Level	Yes
Marks	2
User defined mask	for alarms
Spectrum Uplink (optional)	
Frequency range	5...85 MHz
Span	80 MHz
Automatic Reference Level	Yes
Channel plan	
Factory channel plans	up to 24 different world wider regions
MPEG data	
ETSI TR 101 290	Level 1, 2 and 3 priority errors (Level 3 opt.)
Alarms log analysis	Yes
PCR jitter	Yes (opt.)

Technical data	
Bit rate	Services, Null packets, SI tables, All TS packets
Bitrate profiles	MGB1, MGB2, MGB5, MGB5B, MGB5C, MBG5D
Transport Stream Treeview	Yes
Polling	Yes
Service parameters	Service name, provider name, SID, AID, PID, encode type, audio and video bitrates
Cable Modem (optional)	
Modes	Docsis 3.0/2.0/1.1/1.0 with BPI/BPI+
Downstream	up to 8 channels (88...1002 MHz)
Upstream	up to 4 channels
Connect Status	DS and US frequency, DHCP, TOD, config. name, level of security, DOCSIS version
Modem Emulation	Connection status of the modem, instantaneous speed and size data sent through the modem
Interfaces	
USB	1 pcs. (2.0)
RJ45	2 pcs. (IP input optional)
Kind of display	LCD
Keyboard	Function buttons on the front panel
Monitoring	
Web Interface	Yes
SNMP	V2.0
Front Panel	Yes
General data	
Dimensions (width x height x depth)	482 x 348 x 41 mm (19" rackable unit)
Operating temperature range	0...40 °C
Storage temperature	0...50 °C
Input voltage	100...240 V AC, (@ 50...60Hz, 1,4A)
Packaging data	
Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	mm
Packaging volume sales unit	dm ³
Gross weight sales unit	kg
Shipping unit	pcs.
Dimensions (WxHxD) shipping unit	mm
Packaging volume shipping package	dm ³
Gross weight shipping unit	kg
EAN	4010056744915
Article number	74491
Customs tariff number	