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# **SPECIFICATIONS**



# SPECTRUM ANALYZER

Operating frequency range:		
	- TV mode - Sat mode	5 to 1200 MHz 950 to 2150 MHz
Frequency step		25 kHz
Level measurement range		
·	- TV mode - Sat mode	20 to 120 dBuV 20 to 120 dBuV
Level measurement accuracy (23 °C)		±1.2 dB
Level measurement accuracy (-10 to +50 °C)		±1.5 dB
Level resolution		0.1dB
Frequency span		10,20,50,100,200 400,800,1200 MHz
Detector mode		Peak, RMS
Reference level		50 to 120 dBuV (10 dB step)
Resolution bandwidth		50, 100, 250, 1000 kHz
Markers		2
Warm-up time		less than 2 min
Sweep time in quick mode		
-	1200 MHz span	less than 250 ms
- 400	0,800 MHz span	less than 170 ms
- 10 to	200 MHz span	less than 70 ms

Power measurement accuracy (C/N more than 20 dB)

Modulation

MER measurement range

MER measurement accuracy

MER resolution

BER measurement range

1.0E-3 to 1.0E-10

42 to 1002 MHz

35 to 115 dBuV

### **DVB-T2 MEASUREMENT**

**DVB-T MEASUREMENT** 

Operating frequency range

Power level range

Operating frequency range	42 to 1002 MHz
Power level range	35 to 115 dBuV
Power measurement accuracy (C/N more than 20 dB)	±1.2 dB
DVB-T2 standard	1.3.1
Modulation	QPSK,16QAM, 64QAM, 256QAM
MER measurement range	up to 35 dB
MER measurement accuracy	±2.0 dB
MER resolution	0.1 dB
BER measurement range	1.0E-2 to 1.0E-10

#### **DVB-S/S2 MEASUREMENT**

Operating frequency range	950 to 2150 MHz
Power level range	45 to 115 dBuV
Power measurement accuracy (C/N more than 20 dB)	±1.2 dB
Modulation	QPSK, 8PSK, 16APSK, 32APSK
MER measurement range	up to 35 dB
MER measurement accuracy	±2.0 dB
MER resolution	0.1 dB
BER measurement range	1.0E-2 to 1.0E-10

### **DIGITAL CATV MEASUREMENT**

Operating frequency range	42 to 1002 MHz
Power level range	35 to 115 dBuV
Power measurement accuracy (C/N more than 20 dB)	±1.2 dB
TV standards	J.83 ANNEX A/B/C
Modulation	64QAM to 256QAM
Symbol rate	4.0 to 7.2 Msps
MER measurement range	up to 42 dB
MER measurement accuracy	±2.0 dB
MER resolution	0.1 dB
BER measurement range	1.0E-3 to 1.0E-10

## **ANALOG TV MEASUREMENT**

Operating frequency range	42 to 1002 MHz
TV standards	B/G, I, D/K, M/N
Color standards	PAL, SECAM, NTSC
Level measurement range	30 to 120 dBuV
Level measurement accuracy	±1.2 dB
Level measurement resolution	0.1 dB
C/N measurement range (channel level more than 65 dBuV)	up to 50 dB
HUM measurement range	1 to 20%

# **SPECIFICATIONS**

### **GENERAL**

Monitor	4.3 inch TFT display, 480x272 pixels
Battery	Li-ion
Charge time	80% volume for 3 hours
Battery life	at least 4 hours
Remote feeding	5/12/13/18/24V, Max 5W
Operating temperature range	from -10 to 50°C
Dimension (WxHxL)	245x150x65 mm
Weight	1.5 kg

#### **INCLUDED ACCESSORIES**

Mains Charger
Mains charger Cable
Rechargeable Li-ion battery
Transport sling
Carrying case
«F» female — «F» female adapter
«F» male — «IEC» female adapter
Screwdriver
FC optical adapter with dust cap
SC optical adapter with dust cap
USB cable
Car lighter adapter
Quick start quide

## **OPTICAL INPUT**

Connector type (9/125 single-mode)	replaceable FC/SC
Operating wavelength range	1100 to 1650 nm
Measurement optical power range	-20 to +8 dBm
Operating optical power range	-9 to +2 dBm
Maximum input optical power	+10 dBm
Power measurement accuracy (at 1310 and 1550 nm wavelength)	±0,5 dB
Power measurement resolution	

### **RF INPUT**

Connector type	75 Ohm, F-male
Maximum input power	130 dBuV (+20 dBm)

## TRANSPORT STREAM, CODECS

Video codec	H.264/AVC L4.1 HP, MPEG-2 MP@HL, VC-1 AP L3, AVS PL 6.0
Video resolution	1080i60, 1080p30, 720p60, 576p
Aspect ratio	16:9, 4:3
Audio codec	MPEG1 L1/2, HE-AAC
CAM module	EN50221 (DVB-CI) PCMCIA interface
Bitrate max	80 Mbit/s
TS record	up to 10 min
TS testing	TR101290 real time, three levels
Video info	type, bitrate, format, aspect ratio, profile, PID
Audio info	type, bitrate, format, mono/stereo, language, PID
Service info	network, provider, NID, ONID, scrambled/free, TSID, SID, LCN

#### **INTERFACES**

USB interface	USB 2.0 host and USB 2.0 device high speed interface
Ethernet	Ethernet RJ45 10/100M interface
DC supply input	12V
CAM module	CI interface



Made in Russia

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