

SPANTEC – 021

Cable TV Analyzer



Spantec 021 is a spectrum TV analyzer designed for mounting in 19 inch rack. It's designed for maintenance and monitoring of CATV network. With its built FDT module (forward data transmitter) it can communicate with other devices using coaxial line. The communication with PC is realized with USB interface and serves for visual

Technical Specifications

1. Tuning

Forward channel	45 ÷ 870 MHz standard
Reverse channel	5 ÷ 65 MHz
Tuning mode	by channels or by frequency
Frequency resolution	50 kHz
Frequency stability	± 5

2. Programmes

Number of programmes	maximum of 128
Storage of programmes channel and frequency	entered from keyboard
Channel plans	CCIR or OIRT selectable
Display	LCD a/n

3. Level measurement

Measurement range	25 ÷ 120 dB μ V
Readout	digital in dB μ V, resolution 0.1dB
Attenuator	automatic
IF Bandwidth	100 KHz
Input impedance	75 Ω
Input return loss	<-15dB
Accuracy	±0.75 dB (30 ÷ 115d B μ V) for negative video modulation

4. Video /Audio

Audio measurement	level and video/audio ratio
Video/Audio range	0 ÷ 45 dB
Audio subcarrier frequency standard	B/G (+5.5 MHz) or D/K (+6.5 MHz)
Accuracy	±1dB (5 ÷ 40°)

5. Carrier-to-Noise

Measurement ratio of the video carrier	level to the noise level within the channel
Max. dynamic range	60 dB (90 dB μ V reference input level)
Accuracy	±2

6. Forward data transmitter

Frequency range	430 ÷ 470 MHz
Carrier frequency setting step	125 kHz
Output level	120 dB μ V
Attenuator	0 ÷ -20 dB / smooth
Return loss	≥18 dB / 75 Ω
Data transmission speed	9600 bps
Modulation	FSK
Interface	

7. Power supply

Power feeding:	230 VAC ±10%
Power consumption	7

8. Environmental conditions

Temperature range	5 ÷ 40°C
Maximum relative humidity	80% (up to 30°C), decreasing lineally down to 50% at 40°

9. Mechanical features

Dimensions	L 483mm x W 250mm x D 100mm
Weight	3150 g