

ITM-20C

TV Remote
Service Analyzer

••••• **New product**

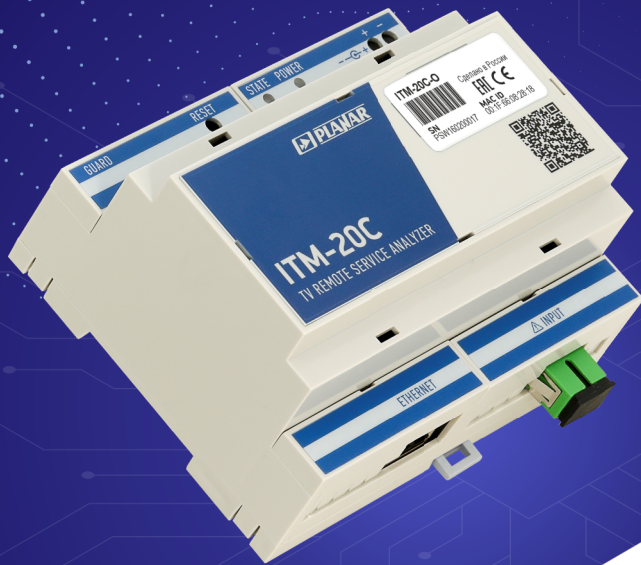
ITM-20C analyzer is designed for remote control of analog and digital CATV signal parameters. It should be placed in telecommunication nodes for continuous and automatic control of signal parameters.

- RF or optical input signal parameters measurements (optional)
- Level, MER and BER for channels with digital modulation
- Level, V/A ratio, C/N ratio for channels with analog modulation
- Optical signal power measurement (optional)
- Working by channel plan and single-channel mode
- Firmware updating and device settings via web-interface
- Monitoring of parameters via ViewRSA software and SNMPv1 protocol
- Possibility of connecting a security loop with reporting violation into ViewRSA software or via SNMPv1 protocol
- Powered by an external adapter or Ethernet network - PoE (optional)
- Mounting on DIN-rail

Test & Measurement
Regional Sales



PLANAR LLC | 32, Elkina St. | Chelyabinsk 454091 | RUSSIA
www.planarchel.ru | welcome@planarchel.ru | +7 351 265 1069
EMEA: +49 (0) 160/278 6727
APAC: +65 (65) 632 365 46



SPECIFICATIONS

Operating frequency range	44 to 1006 MHz
Frequency resolution	125 kHz
Level measurement range	30 to 90 dBμV
Level measurement accuracy	±2 dB
C/N ratio measurement range (for channels with analog modulation)	20 to 45 dB

ITU-T J.83 ANNEX A/B/C

Modulation type	QAM64, 128, 256/ ITU-T J.83 Annex A/B/C
Symbol rate	5 to 7 Msps
MER measurement range	22 to 40 dB

BER measurement range	$5,0 \times 10^{-3}$ to $1,0 \times 10^{-8}$
MER measurement accuracy	± 2 dB

OPTICAL INPUT

Operating wavelength range	1200 to 1650 nm
Measurement optical power range	- 9 dBm + 3 dBm
Operating optical power range	- 8 dBm + 2 dBm

Optical power measurement accuracy	± 0,5 dB
Optical power measurement resolution	± 0,1 dB

OTHER

Power supply voltage	8 to 24 V
Ethernet power supply standard (PoE)	IEEE 802.3af
Power consumption	less than 3W
Operating temperature range	0 to +50 °C

RF input type	75 Ohm, F-female
Optical input type	SC/APC
Control interface	Ethernet/RJ45/ 100Base-TX
Dimensions	106x103x57 mm