

TELEVISION MODULATOR SERIES 100, SERIES 200

- LOW COST.
- SETTING FIELD TO SELECT NEEDED CHANNEL (FREQUENCY).
- HIGH SETTING ACCURACY ENSURED BY SYNTESIZER.
- TEST-SIGNAL BUILT-IN GENERATOR.
- INPUT SIGNAL LEVEL ADJUSTMENT.
- OUTPUT LEVEL ADJUSTMENT(series 200).
- HIGH OUTPUT LEVEL - 100 dBuV (series 200).
- DOUBLEBAND MODULATION.
- SMALL DIMENSION AND WEIGHT.

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Modulators are intended for the video signal and audio signal transformation to the broadcast radio signal. Usable with video cameras, «video eyes» as black & white such as colour type. Modulators allow to realize a frequency compression, i.e., transmitting signals from several video cameras over one radio frequency cable.

At this:

- simplified cable network mounting: it is enough to mount one common radio frequency cable or use a presence CATV network instead of separate cable laying from each video camera;
- simplified the task of transmitting signals over long distance (up to several kilometers).

■ Primary Net feeding

Operating voltage: 220 V (+10-15%) 50 Hz.

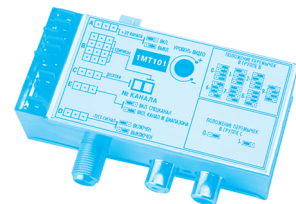
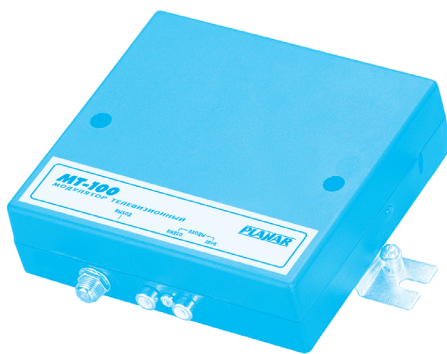
Setting the channel / frequency, test-signal state is made by setting field. Access to the setting field and level controls is made while the cover is opened.

IMPLEMENTATION VERSIONS

■ Small form-factor implementation

Operating voltage: +12 V.

Case dimension: 82x48x25 mm. Setting the channel / frequency, test-signal state is made by setting field.



SPECIFICATION

Modification	Frequency range, MHz				
	119,25-175,25 (S2-S8, 6c)	159,25-239,25 (S7,S8, 6c-12c, S11, S12)	231,25-343,25 (S11-S25)	351,25-463,25 (S26-S40)	471,25-855,25 (21c-69c)
Series 100, operating voltage 220 V 50 Hz Series 100, small case	MT-101E 1MT-101E	MT-101 1MT-101	MT-101K 1MT-101K	MT-101M 1MT-101M	MT-100 1MT-100
Series 200, operating voltage 220 V 50 Hz Series 200, small case	MT-201E *) 1MT-201E	MT-201 *) 1MT-201	MT-201K *) 1MT-201K	MT-201M *) 1MT-201M	MT-200 *) 1MT-200

Note. *) Modulators with the index «+» (part number example: MT-201E+) have the optional built-in power supply for a video camera (+12 V; 0,2 A).

SPECIFICATION

Video input: frequency band, Hz level deviation for mentioned band, dB level control depth, dB connector type	20-6x10 ⁶ ±1 ±3 RCA
Audio input level, V / Impedance connector type	0,7 / 12 kOhm RCA
Output level, V / Impedance series 100 series 200 connector type	75 / 75 Ohm 100 / 75 Ohm F
Output signal frequency stability	±2x10 ⁻⁵
Image carrier and sound carrier frequency difference, MHz	6,5
Operating temperature, °C	0...+50
Frequency setting step, MHz: series 100 series 200	4 1

MICROPHONE UNITS
MMT01 & MMT02

- HIGH SENSITIVITY.
- GAIN CONTROL.
- MINIATURE CONSTRUCTION.



Microphone units are intended for joint operation with modulators MT-200+, MT-201+, MT-201E+, MT-201K+ and MT-201M in supervision systems.

MMT01 has a frontal microphone position, MMT02 is rear.

Microphone units contain a miniature microphone and a low-noise preamplifier.

SPECIFICATION

Operating voltage, V	12
Current consumption, mA	6
Gain control, dB	13
Operating temperature, °C	0...+50
Dimension, mm	37x41x12
Weight, g	12