



# MTX-1xxx

## Mini Optical Transmitter

### User Manual

Before installing, adjusting and using this product, please read the manual. It contains all essential information for the user to make full use of the device, enable easy set up and guidelines to prevent possible damage.

GZT TELKOM-TELMOR company makes every effort to ensure that delivered products are defect free. However, during transportation, for reasons beyond the manufacturer's control, the device may be damaged. In this case, please inform the manufacturer or distributor as soon as possible in order to solve the problem.

Mini Optical Transmitter MTX-1xxx may be stored for the period of 18 months from the date of manufacture, without deterioration in technical parameters. Standard atmospheric conditions for storage indicated in the IEC 68.1 directive are as follow: temperature between 15-35°C, humidity between 25-70%, atmospheric pressure between 860-1060hPa.

#### **Products Characteristics**

Mini Optical Transmitter MTX-1xxx is a modern device dedicated to the transmission of the RF signal over fiber optic cable. The device is provided in a cast metal housing. The optical transmitter has a built-in RF connector type "F" on the input, and SC / APC connector at the output. The optical transmitter is equipped with a LED power indicator.

#### **Application**

Mini Optical Transmitter MTX-1xxx is dedicated to transmitting RF signal over fiber. Installed in the head-end, allows the RF signal to be transmitted up to 20 km, and while distributed properly, to deliver the transmission to multiple receivers.

#### **Installation**

Transmission with the signal level range of 81dBμV (DIN 45004B) should be provided to the RF input – type „F“. Single mode fiber should be connected to the SC/APC optical output. Next, the powering of the device should be switched on. The LED indicates the correct operation of the power supply – the voltage and current provided is adequate.

#### **Principles of safe operation:**

- Do not place other objects less than 5 cm away from the device for proper ventilation.
- Do not cover the device with items such as newspapers, tablecloths, curtains, etc.
- Do not place the device in the immediate vicinity of the heat source or open flame.
- Do not place objects filled with liquid on or near the device.

## Technical parameters

Parameter		MTX-1xxx
<b>TYPE</b>		
Frequency range	MHz	47-1006
Input level (DIN 45004B)	dB $\mu$ V	81
Flatness	dB	$\pm 0,75$
CSO (CENELEC 42 channels), OMI 4%	dBc	$\geq 60$
CTB (CENELEC 42 channels) OMI 4%		$\geq 60$
Optical output wavelength	nm	1270-1610 step 20
Laser type	/	FP, DFB, CWDM
Optical output power	dBm	0, 3, 6
Input impedance	Ohm	75
Input adjustment	dB	$\geq 18$ dB (40MHz) – 1,5 dB/oct
<b>OTHERS</b>		
Power Supply	V/mA	12 / 250
Power consumption	W	3
Type of Input / Output connector	/	F / SC/APC
Dimensions (W x H x D) with connectors	mm	128 x 95 x 32
Weight without power supply	Kg	0,28
Package	/	box



The crossed bin symbol on a product or its packaging means that it is subject to the directive 2002/96/WE.



According to this directive the electrical or electronic equipment may not be treated as household waste but should be referred to a proper collection facility for recycling and recovery. Proper handling of waste equipment helps prevent potential adverse effects on the natural environment and human health.



Contact your local authority for more details on the recycling and recovery of electronic materials in this product