



## TRANSMODULATOR **COFDM PAL**

**F**agor incorporates the TDM 6000 / TDM 7000 transmodulator into its multi-processing family, a new module that converts terrestrial digital channels into channels with standard PAL modulation.

**TDM 6000/TDM 7000**

**FAGOR** 

# Transmodulator COFDM-PAL TDM 6000 / TDM 7000



The TDM 6000 / TDM 7000 transmodulator takes a TV or radio channel (COFDM modulated) from a terrestrial digital television multiplex and converts it into a VHF/UHF channel with PAL standard modulation.

## APPLICATION

Community installations requiring the distribution of the digital terrestrial TV signal converted into analogue channels. The installation of individual receivers with each TV set is not necessary.

## CHARACTERISTICS

- Adjacent channel operation.
- Operates on any VSB output and input channel.
- Automatic detection/configuration of FFT mode (2K, 8K), constellation, Code Rate, guard interval and bandwidth.
- Does not require input splitters or output combiners.
- Makes it possible to know image quality by measuring the BER before Viterbi and by S/N estimation.
- The output channel is easily programmed through the UCF 100 control unit.
- Has an OSD menu to simplify the programming of the system parameters.
- Identification of programmes containing teletext and radio.

Power supply	5 / 12 / 18 / 24 / 34 Vdc
Consumption (10 W)	0,96 / 0,43 / -- / -- / 0,001 A
Working temperature	0 to 40 °C

MODEL	TDM 6000	TDM 7000
Reference	27460	27560
Assembly system	Frame	19" rack
Input/output connectors	F (f)	
Input demultiplexing through losses	dB	
Input frequency	MHz	
Input modulation type	COFDM (DVB compatible)	
Channel bandwidth	MHz	
Input level for modulation: 64 QAM, Tu: 1/4 y CR: 2/3	dBµV	
Input impedance	Ω	
COFDM modulation modes	QPSK, 16QAM, 64QAM	
Guard interval (auto-detection)	1/32, 1/16, 1/8, 1/4 of the symbol length	
FEC	1/2, 2/3, 3/4, 5/6, 7/8	
Frequency resolution	KHz	
Capture range	MHz	
Input signal	Compatible with PID filtering IEC-ISO 13818-1	
PID filtering	Up to 32 PID	
Video decoding	IEC-ISO 13818-2 compatible	
Aspect ratio	4:3, 16:9	
Video encoding	PAL	
Video output	Video composed on 75 Ω	
Audio output level	1 Vpp over 600 Ω	
Audio output	Stereo, Joint stereo, dual or mono	
Teletext	Inserted in the VBI lines	
Output fine tuning	MHz	
Output frequency range	MHz	
Channel output allocation	CCIR B/G	
Output level	dBµV	
Output multiplexing through losses	dB	
Packaging dimensions	mm	
Weight	Kg	

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