

# TDM 6000 / TDM 7000

The TDM 6000 / TDM 7000 transmodulator converts a TV or radio channel with COFDM modulation on a terrestrial digital television multiplex into a VHF/UHF channel with standard PAL 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 programs containing teletext and radio.
- Screws and power supply cable included.



Supply voltage	Vdc	30	24	17	12	5
Current drawn (10 W)	mA	1	—	—	430	960
Operating temperature range						0 a 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 & 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 duration	
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 video output VBI	
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	