

TDM 6000 ST / TDM 7000 ST

The TDM 6000 / TDM 7000 stereo 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. It has two audio carriers for STEREO DUAL signals processing.

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

- In DUAL mode A/B or B/A channel switching is provided.
- 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	18	12	5
Current drawn (10 W)	mA	1	—	—	430	960
Operating temperature range						0 a 40 ° C

MODEL	TDM 6000 ST	TDM 7000 ST
Reference	27475	27575
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/Dual Switchable (A/B - B/A)	
Teletext	Inserted in the video output VBI	
Output frequency range	MHz	
Channel output allocation	CCIR B/G	
Output level	dBµV	
Output multiplexing through losses	dB	
Packaging dimensions	mm	
Weight	Kg	