

FRONT LOAD 7.5KW TV TRANSMITTER MOT 7500 FL

The 7.5KW TV transmitter **MOT 7500 FL** meets the strictest demands of the international Broadcasting according to CCIR and FCC specifications. It consists on the modulator transmitter MOT 100 FL and four S 2000 amplifiers, which have 7.5KW, LDMOS technology and the possibility to work independently so as to have back-up amplifiers. This transmitter covers the whole frequency range for III-IV-V bands.



MAIN ADVANTAGES

- Alarm and digitalized information system to control the following parameters: forward power, reflected power, service voltages, final-stage voltages and currents, video level, audio level, synchronism level, operation channel, offset and temperature.
- Protections against excess of forward power, SWR excess, over-voltage in power supply, over-current in amplifier and over-temperature.
- A digital telemetry output is included.
- A Notch BPF (Band Pass Filter) is included.

GENERAL CHARACTERISTICS

GENERAL	
CLASS	AB1
FREQUENCY RANGE	Bands III-IV-V
AVAILABLE STANDARDS	B, D, G, H, I, K, M, N
COOLING	Forced air fans
OPERATION TEMPERATURE	-10 to +45°C
STORAGE TEMPERATURE	-30 to +85°C
MAXIMUM RELATIVE HUMIDITY	90% without condensation
POWER SUPPLY	3x220VAC ±15%, 50/60Hz
CONSUMPTION	20KVA
PROTECTIONS	Excess of forward power, SWR, temperature, over current and modules voltage

broadcast your world

VIDEO	
INPUT CONNECTOR AND IMPEDANCE	BNC(F), 75Ω
INPUT LEVEL	1Vpp ±6dB
WHITE LIMITER	95%
2KT FACTOR	≤1.5%
AMPLITUDE/FREQUENCY RESPONSE	≤±0.5dB
CHROMINANCE/LUMINANCE INTERFERENCE	≤4%
ICPM	≤±3%
S/N RATIO (WEIGHTED)	≥60dB

AUDIO	
INPUT CONNECTOR AND IMPEDANCE	XLR(F), 600Ω-10KΩ (selectable)
INPUT LEVEL	0dBm ±8dB, 0.5dB steps
FREQUENCY RESPONSE	±0.5dB (typical ±0.2dB)
S/N RATIO (UNWEIGHTED)	≥65dB

OUTPUT	
NOMINAL OUTPUT POWER	7500Wps
OUTPUT IMPEDANCE	50Ω
UNEQUAL LOAD	2:1 max. ROE
IMD (-8 dB, -10dB, -16dB)	>-54dB (with nominal output power)
SPURIOUS	>-56dBc (with output filter)
OUTPUT FREQUENCY STABILITY	1ppm
OUTPUT CONNECTOR	EIA 1+5/8" or EIA 3+1/8"
RF MONITOR CONNECTOR	BNC(F)

** The images and/or technical specifications are subject to change without previous notice.*

broadcast your _ world