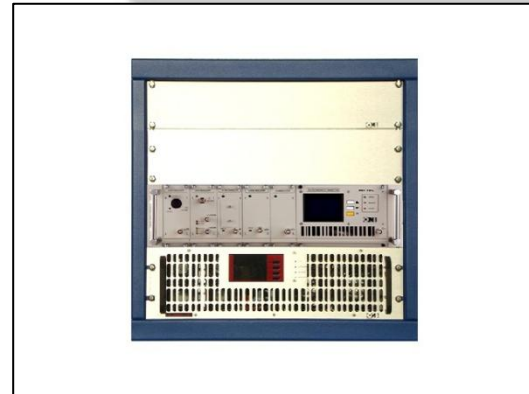


## FRONT LOAD 1KW TV TRANSMITTER MOT 1000 FL

The 1KW TV transmitter **MOT 1000 FL** meets the strictest demands of the international Broadcasting according to CCIR and FCC specifications. It consists on the modulator transmitter MOT 15 FL and the S 1000 amplifier, which has 1KW and LDMOS technology. 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.
- PWM cooling system controlled by microprocessor which automatically changes the ventilation flow depending on the temperature in internal amplifiers. It reduces unnecessary consumption and minimizes the sound level.

### GENERAL CHARACTERISTICS

GENERAL	
<b>CLASS</b>	AB, LDMOS technology
<b>FREQUENCY RANGE</b>	Bands III-IV-V
<b>AVAILABLE STANDARDS</b>	B, D, G, H, I, K, M, N
<b>COOLING</b>	Forced air by compact fans and PWM control
<b>OPERATION TEMPERATURE</b>	-10 to +45°C
<b>STORAGE TEMPERATURE</b>	-30 to +80°C
<b>MAXIMUM RELATIVE HUMIDITY</b>	90% without condensation
<b>POWER SUPPLY</b>	90-260VAC

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<b>CONSUMPTION</b>	1565VAC (typical)
<b>PROTECTIONS</b>	Excess of forward power, SWR, temperature, over current and modules voltage
<b>NOMINAL OUTPUT POWER</b>	1000Wps
<b>INPUT IMPEDANCE</b>	50Ω
<b>DIMENSIONS</b>	6 standard rack units of 19"
<b>WEIGHT</b>	50Kg

<b>VIDEO</b>	
<b>INPUT IMPEDANCE</b>	75Ω
<b>INPUT LEVEL (±3dB)</b>	1Vpp
<b>WHITE LIMITER</b>	95%
<b>2KT FACTOR</b>	<1.5%
<b>AMPLITUDE/FREQUENCY RESPONSE</b>	±0.5dB (inside Video band)
<b>CHROMINANCE/LUMINANCE INTERFERENCE</b>	<2%
<b>ICPM</b>	<3%
<b>S/N RATIO (WEIGHTED)</b>	>60dB
<b>REFERENCE IN EXTERNAL FREQUENCY INPUT</b>	5MHz

<b>AUDIO</b>	
<b>INPUT IMPEDANCE</b>	600Ω or >5KΩ (jumper selectable)
<b>INPUT LEVEL</b>	0dBm (±6dB)
<b>FREQUENCY RESPONSE (30Hz TO 15KHz)</b>	<4% distortion
<b>S/N RATIO (UNWEIGHTED)</b>	>65dB

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

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