

POS-2000



POS-2000 is FM transmitter for broadcasting, able to transmitter in the band between 87.5 to 108 MHz, Continuously adjustable output power from 0 up to 2500 watt. Completely microprocessor-controlled easy to program from the menu, all main parameters can be read on the large LCD display. They are designed with aluminum box to be contained in a 19" rack of 6U.

Technical Specifications

Frequency

Frequency range	87.50 – 108.00 MHz
Frequency step	10 KHz
Frequency control	PLL Synthesizer & Microprocessor
Frequency error	< +- 300 Hz / year
Frequency deviation	+/- 75 KHz

RF Output

RF output power	0 - 2000 watts (up to 2500 watts max.)
RF output power accuracy	< +- 0.3 dB@2000 watts
RF output connector	7/16 DIN female (EIA 7/8 on request)
RF output impedance	50 Ohm
RF test	BNC Type Female, 50 ohm
Spurious & Harmonics	respects FCC and CCIR standards

Audio Input

Pre-emphasis	50us or 75us
Audio input	XLR female
Audio input impedance	600 ohms or 10Kohms
Audio source	Analog Mono, MPX (Composite) or Stereo (L+R)

Monitor & Control

Data output	RS-232 female
Interlock	BNC connector
LCD front panel display	Frequency, RF forward (output), RF reflect, Voltage, Current, Temperature, Audio level, etc.
Front panel control	Frequency, RF forward (output), etc
Protection	VSWR, Short circuit and over RF forward (output)

General

Type	Solid state, Direct FM
Temperature operating range	0 – 50 °C
Humidity range (operation)	90% @ 40 °C
AC power requirement	200 – 260 Vac
Power consumption (typical)	3500 VA (typ. 16A@230 Vac)
Dimension	6U, 485x268x660 mm (WxHxD)
Weight	40 kg.