

## POS-100L



**POS-100L** is FM transmitter for broadcasting, able to transmit in the band between 87.5 to 108 MHz, and output power from 30 to 100 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 2U.

### Pass for NBTC Thailand Specification

1. Rated Carrier Power
2. Conducted Spurious Emission
3. Out-of-Band Emission
4. Frequency Error
5. Frequency Deviation

**PASS**

## Technical Specifications

### Frequency

Frequency range	87.50 – 108.00 MHz
Frequency step	10 KHz
Frequency control	PLL Synthesizer & Microprocessor
Frequency error	< +- 500 Hz
Frequency deviation	< +- 75 KHz

### RF Output

RF output power	30 - 100 watts (adjustable)
RF output power accuracy	< +- 0.5 dB@100 watts
RF output connector	N Type, Female
RF output impedance	50 Ohm
Harmonics	< -70 dBc
Out of band emissions (spurious)	< -85 dBc

### General

Type	Solid state, Direct FM
Pre-emphasis	50us (or on request)
Audio input	XLR female
Audio input impedance	10Kohms (or on request)
Audio source	Stereo
Temperature operating range	0 – 50 °C
AC power requirement	200 – 260 Vac
Power consumption (typical)	400 VA (typ. 1.8A@230 Vac)
Dimension	2U, 485x88x550 mm (WxHxD)
Weight	11 kg.



Rear panel