

150W FM TRANSMITTER

COMPACT series



CHARACTERISTICS

High efficiency FM Transmitters 1 to 150W.

Reduced in size. 100% Solid state.

LDMOS latest technology power amplifiers.

Fully broadband 88-108MHz.
Frequency changes require no adjustment.

Fully integrated exciter. Direct modulation.

Switching power supply high efficiency (>90%).
Minimum energy consumption.

Setup and configuration via controls
and LCD display on the front panel.

Automatic fold-back protection.

Protection against open and short circuits.

Automatic recovery after power failure.

Hourly programming of output power.

Quick installation and easy maintenance.

Custom design. Stereo coder and
RDS encoder also built-in (optional).

Remote monitoring and control via computer
and mobile phone (optional).



Features and specifications are subject to change without notice.

GENERALS

Supply

230VAC $\pm 20\%$ 50/60Hz

Cooling

Forced air with one built-in blower

Consumption

100VA

RF output connector

N female

RF test connector

BNC female

Audio input connector

MPX/MONO. BNC female

PHYSICAL

Width

483mm. (Standard 19" rack)

Height

88,1mm (2RU)

Depth

460mm

Weight

4Kg

ENVIRONMENTAL

Storage temperature

-10°C to +70°C

Operating temperature

0°C to +50°C

Relative humidity

90% RH, non-condensing

Altitude

0 to 4000m

RADIO FREQUENCY

RF output power

0 to 150W. Adjustable

Frequency range

87,5 to 108MHz. 100KHz step

Frequency stability

± 200 Hz

Output impedance

50 Ω

Modulation capability

± 350 KHz

Modulation type

Frequency modulation F3E ± 75 KHz

Harmonic and spurious

Complies with CCIR and FCC

Spurious radiation

<-70db

AUDIO PERFORMANCE

FM S/R

Better than -88dB

75KHz @ 400Hz @ 50 μ s pre-emphasis

Synchronous AM S/N Ratio

-60db referenced to 100%

modulated AM carrier.

FM modulation ± 75 KHz, 400Hz

Asynchronous AM S/N Ratio

-65db referenced to 100% modulated

AM carrier. (No FM modulation)

Seratel Technology SAL

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