

CROWN BROADCAST E-250



Combining the very latest technologies with ECRESO's proven RF experience, the Crown Broadcast E-250 FM transmitter has been designed to offer an innovative and highly reliable solution for low power transmission.

Part of the first FM transmitter range to be based on a 6th Generation MOSFET, the new Crown Broadcast E-250 FM is not only more robust, it also delivers exceptional efficiency.

Top signal quality and performance are achieved thanks to the "FM Band Direct to Frequency" Digital Modulator which is at the heart of this range.

Several innovative features are available on the Crown

Broadcast E-250 FM, such as dynamic RDS encoding and an FM Limiter. Fully featured for local maintenance and configuration, it also allows extensive remote control by Web server, SNMP, RS232 or GPIOs.

The manufacturing quality and the simplicity of use make this a truly powerful transmitter to broadcast analog FM programs.

In addition, we can confidently provide you with a **10 Year Warranty** on our transmitter thanks to 3 things:

- Our exceptional design quality
- The outstanding efficiency of our transmitters
- EMR, our new, proactive maintenance service



Additional Features

- Compact 2U rack design
- FM Limiter with MPX power control (ITU-R 412)
- Dynamic RDS Encoder
- Silence detection and intelligent failover
- Audio backup
- GPIOs
- Direct to channel digital modulator
- Stereo Encoder with analog and/or digital audio inputs
- Advanced Metering Interface
- Expert Maintenance Reporting
- TCP/IP with Web browser and SNMP

Technical specification

Frequency range	87.5 to 108 MHz in 10 kHz steps
Frequency stability	< 10 ⁻⁶ per year
Spurious and harmonic suppression	Meets or exceeds all ETSI requirements
Intermodulation distortion	0.02% typical
FM S/N ratio	> 80 dB
Typical AM noise	65 dB RMS (Helios FM 20W/100W) 75 dB RMS (Helios FM >750W)
Bandwidth	0.05 dB
Stereophonic separation	65 dB
Preemphasis	0 µs, 50 µs or 75 µs
Audio inputs	Analog and/or AES «XLR» Up to 192 kb/s @ 16, 24, 32 bits
MPX/SCA inputs	2 «BNC» type
Marking	CE
Standards	<ul style="list-style-type: none"> • 1999/5/CE (R&TTE) • ETS 302 018 (EMC) • ETS 300 384 (Radio) • NF EN 60215 (Safety)
Main Power Supply	100-250V / 50-60 Hz

Specifications subject to change without notice