

FB 10000

10 kW

Solid State Frequency Agile FM Transmitter

- Modular architecture offering unsurpassed flexibility and redundancy
- State of the art combiner system
- Very high efficiency PA, typically capable of more than the rated output power
- Automatic gain control providing fixed output power even in case of fluctuating drive power
- High reliability, consistent and stable performance due to total absence of tuning requirements
- VSWR, excessive temperature and excessive drive power protection, with indicator lights
- Compact size with built-in high-efficiency switching power supply, providing easy access and an overload reset system with indicator lights
- Easily replaceable standard components
- Proportional Auto-Foldback of output power in the event of excessive VSWR or other alarms
- Full remote control and telemetry capability, with all main parameters on rear contacts
- Can be locally or remotely supervised by PC
- Meets or exceeds all FCC & CCIR requirements

Amplifier's Technical Specifications

(For audio specifications and other features please see Exciter pages.

FLX Series Transmitters normally shipped with Lex Series Exciters. Other Bext Exciters available upon request).

Frequency range:	87.5 -108 MHz
Rated Output Power:	10 kW
RF Output Connector/Impedance:	1 5/8" EIA Flange / 50 Ohm
RF Input Connector / Impedance:	Type "N" / 50 Ohm into RF Amplifier System
Spurious & Harmonic Suppression:	Meets or exceeds all FCC and CCIR requirements
AC Input power:	208-240V, 50-60Hz, Single or 3 Phase, pls. specify with order (others upon request)
AC Power Consumption:	Approx. 15500 W
RF Drive Required:	Approx. 245 W
Cabinet Dimensions / Crate size	Standard rack cabinet, 22 3/4" W x 33 1/2" H x 34 1/2" D / Crated, 37" W x 45" H x 27" D
Approximate Weight:	Unpacked, 375 lbs (170 Kg); Crated for shipping, 455 lbs (207 Kg)
Operating Ambient Temp. Range:	0° C to 45° C (32° F to 113° F) with maximum humidity 90%, non-condensing