

FLX 5000

5 kW

Solid State FM Frequency Agile Transmitter

- Totally modular, composed of four FLX 1300 amplifiers
- State of the art combiner system
- Very high efficiency PA, typically capable of more than rated output power with relatively low input
- Automatic gain control providing fixed output power even in case of fluctuating drive power
- Modular architecture offers unsurpassed flexibility and redundancy
- 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
- Meets or exceeds all FCC & CCIR requirements
- Easily replaceable standard components
- Proportional Auto-Foldback of output power in the event of excessive VSWR
- Full remote control and telemetry capability, with all main parameters on rear contacts

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 (other frequencies on request)
Rated Output Power:	5 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. 7800 W
RF Drive Required:	Approx. 95W
Cabinet Dimensions / Crate size	Standard rack cabinet 22 3/4" W x 59 1/2" H x 32" D / Crate size 67 1/2"W x 41"H x 27"D
Approximate Weight:	Unpacked, 400 lbs (181 Kg); Crated for shipping, 480 lbs (218 Kg)
Operating Ambient Temp. Range:	0° C to 45° C (32° F to 113° F) with maximum humidity 90%, non-condensing