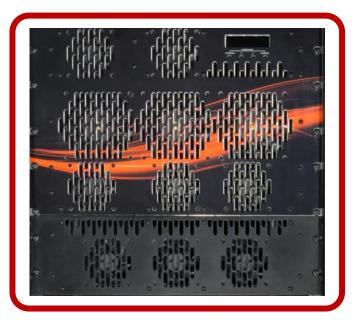


5000-watt FM Transmitter with Exciter



- Class leading standard feature set, including stereo encoder, RBDS/RDS generator, SCA, etc.
- Built in compressor/limiter
- Efficient OLED front panel monitoring
- World class reliability and quality from North American design and manufacture
- Frequency agile 87.5 108MHz
- AES, S/PDIF, and analog audio inputs standard
- Unmatched efficiency with state-of-the-art transistors and power supply
- Extensive monitoring through Ethernet, SNMP, and parallel interface
- 2 Year Warranty

AUDIO CHARACTERISTICS

Mono Operation Input Impedance 600Ω , 10 KΩ (selectable from front panel)

Input Connector XLR (balanced)

Input Level Max +10 dBm +/- 2dB (others available)

Harmonic Distortion <1% (50 Hz-15KHz)

S/N Ratio >-60dB FM noise, >-50dB AM noise Pre-emphasis 25, 50, 75 μS, or flat response (selectable)

MPX Operation Input Impedance 10 KΩ unbalanced

Input Connector BNC

Harmonic Distortion < 1% (50 Hz-15KHz)

SCA Operation Number of Inputs 2

Input ConnectorBNC femaleInput Level+10 dBm nominalFrequency Range57 to 93 kHz

Digital Audio AES/EBU XLR, 3-position, female

S/PDIF optical, Toslink
S/PDIF coaxial, RCA female

RF CHARACTERISTICS

Output Impedance 50 Ω

Modulation FM, Deviation \pm 75 KHz

Frequency Range 87.5 – 108.0 MHz (± 1 kHz stability)

Nominal Output Power 5,000W

Power Level Adjustable 1-105%

Output Connector 1-5/8" EIA flange, (others upon request)

Spurious Emissions Compliant to Industry Canada BETS-6 and FCC 73.317

RF Monitor Level -35 dBc typical

RF Monitor Connector BNC

ELECTRICAL

Flexible AC Input 180-264 Vac, 47/63 Hz

Other AC supplies available on reques

^{**} Due to continuous product improvements, Technalogix reserves the right to change specifications without notice. **



5000-watt FM Transmitter with Exciter

INTERFACE

Remote Port Control: RF carrier on/off, RF power up/down, reset

Monitor: Forward/reflected RF level, control PCB Vcc

Flags: Amplifier overdrive, VSWR (adjustable trip point), high temperature

Ethernet Control: RF carrier on/off, RF power up/down, AGC/manual, change VSWR trip point, reset

Monitor: Forward/reflected RF level, DC pallet voltage, RF input level, temperature, VSWR trip point, model, S/N Flags: Carrier on/off, amplifier overdrive, DC pallet voltage, VSWR, RF input level, temperature, AGC/manual

status

SNMP Control: RF carrier on/off, RF power up/down, AGC/manual, change VSWR trip point, reset

Monitor: Forward/reflected RF level, DC pallet voltage, RF input level, temperature, pallet current, attenuation, run

time, RF fault, model/serial number

Flags: Amplifier overdrive, VSWR, temperature, SNMP error

RBDS/RDS Input Connector: USB

Features: Scrolling, parsing, advanced weekly scheduling, UECP, ASCII terminal control

Supported Commands: PI, PS, PTY, TP, AF, TA, PTYN, DI, EON, RT+, M/S, PIN, ECC, RT, TDC, IH, ODA, CT, LIC, TMC

PHYSICAL FEATURES

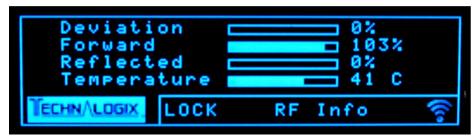
 Minimal Rack Space
 5U case, 8-3/4"H x 25"D x 19"W (Amplifier)

 2U case, 3-1/2"H x 25"D x 19"W (Power Supply)

Lightweight Enclosures 145 lbs, Aluminum

Operating Temperature 0 to +45° C

Humidity 90%, non-condensing



OLED Display Screen

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