T Series Transmitters

FM Analog Tube Transmitters

Model FM 35T shown

Model	Description
FM 10T	10 kW Tube FM Transmitter
FM 20T	20 kW Tube FM Transmitter
FM 25T	25 kW Tube FM Transmitter
FM 30T	30 kW Tube FM Transmitter
FM 35T	35 kW Tube FM Transmitter
FMD 50T	50 kW Dual-Combined Tube FM Transmitter
FMD 60T	60 kW Dual-Combined Tube FM Transmitter
FMD 70T	70 kW Dual-Combined Tube FM Transmitter

Tradition At Its Best

Broadcast Electronics' T Series transmitters represent the standard in analog tube transmission!

Featuring our patented folded half-wave cavity design, we've eliminated many common failures found in other tube transmitter designs. The T Series transmitters provide outstanding performance and superior reliability for an extremely cost-efficient solution.

The T Series transmitters incorporate an advanced controller, offering operators access to more information than any other transmitter on the market. In addition, the controller consistently maintains output power within 2% of rated power for ultimate transmitter control.

Available in power levels up to 35 kW for single tube transmission with 70 kW achievable through dual-combined systems, T Series transmitters provide the ultimate in operational flexibility.

Key Features & Benefits

- Patented folded half-wave cavity eliminates troublesome and unreliable DC plate blocking capacitors and all sliding RF contacts
- True proportional VSWR foldback protects the transmitter under all antenna load conditions
- Advanced transmitter controller design monitors virtually all operating parameters of the transmitter and facilitates remote monitoring and full connectivity
- FX-50 Exciter technology produces superior FM audio performance
- High volume, low pressure air flow improves heat transfer while reducing ambient noise
- Extensive metering of PA parameters eases tuning and adjustment, allowing for more efficient operation as proper operating parameters can be monitored and maintained
- Complete built-in remote control interface results in convenient use of all current remote control systems
- Elimination of the IPA stage improves overall reliability of the transmitter
- RTDS (Remote Transmitter Diagnostic System) option available

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Tomorrow's Radio Today

Improving FM Profitability

On air reliability protects your revenue stream!

- Patented Folded Half Wave Cavity design eliminates common failures found in other cavity designs
- Largest tube in class provides 41% more effective cooling area for the best performance under high ambient air temperatures
- Elimination of plate blocking capacitors and sliding contacts in cavity eliminates common transmitter failures
- Tuning and loading controls at DC Potential, along with no output coupling capacitor, maximizes lightning protection
- Built-in broadband neutralization results in easy tube exchanges, with no manual neutralization required upon tube replacement
- Minimum to no down time means you'll consistently maintain revenue generation

Easy maintenance leads to lower operating costs!

- High-volume, low-pressure cooling system uses common disposable air filters, changeable while you're on air
- Incorporates internal filament voltage regulator, eliminating the need to purchase an external regulator
- Automatic power control provides steady transmitter output power for operational consistency

Flexible & Accurate Control!

- Reliable microprocessor based controller allows remote software access to monitor all of the operating parameters
- Metering of more transmitter parameters than any other transmitter manufacturer provides
- Automatic power control maintains the transmitter within 2% of its programmed output power, ensuring you're operating within authorized limits at all times
- Second "preset" power level available at the press of a button
- RTDS remote control provides immediate access to computer control and diagnostics
- True proportional VSWR foldback protects the transmitter under all antenna load conditions

Setting the Standard!

- Proven FM T transmitters represent a new generation for high power single tube transmitters, setting the standard for audio quality, cost efficiency, reliability and long life

Increased power for all your operating needs!

- Provides power outputs as low as 10 kW and up to 70kW with dual-combined configuration
- Dual-combined configurations offer flexible redundancy and transmitter switching for any configuration

Taking the next step is easy with Broadcast Electronics. Get in touch with your sales representative today to discuss solutions that will work for you and your station(s). To contact your BE sales representative, simply visit our website at bdcast.com or call 217.224.9600 and learn more about what BE has to offer.

BE is the premier provider of mission-critical solutions for over-the-air and Internet radio. Our products encompass program generation, audio and data management, interfacility transport and analog and digital (HD Radio and DRM) transmission. They are used daily in more than 10,000 installations in nearly 100 countries.

For fifty years, BE pioneering developments have set industry standards for innovation and reliability, while providing broadcasters with new options for operational productivity and income generation.

BE is headquartered in Quincy, IL, and is represented worldwide by a network of local representatives.

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