

FM TRANSMITTERS

PLUG N PLAY 150

Now, an FM transmitter from MARTI Electronics that gives you all the reliability, performance, ease of use, installation and support that you've come to expect from a product with the MARTI name on the front. This transmitter is designed for applications where value is the key. The Plug N Play products have performance figures that exceed expectations, so our PNP-150 is the perfect solution to have as your main transmitter and cost effective enough to have as a standby.



Plug N Play Specifications

RF Power Output:	15 to 165 Watts.
Frequency Range:	87.5MHz to 108MHz; jumper selectable to specific operating frequency; programmable in 50kHz steps.
Output Impedance:	50 ohms nominal.
Output Connector:	Type "N" female.
VSWR:	Rated power into 1.5:1 VSWR maximum. Open and short circuit protected at all phase angles.
Frequency Stability:	±300Hz, -10°C to +40°C.
Modulation Type:	Digital.
Modulation Capability:	>150kHz; 350kHz max.
Audio Inputs:	AES/EBU, TOSLINK, SPDIF, Analog L&R, Composite.
Asynchronous AM S/N Ratio:	55dB below rated power reference carrier with 100% AM modulation at 400Hz, 75µsec. de-emphasis (no modulation present).
Synchronous AM S/N Ratio:	50dB below rated power reference carrier with 100% AM modulation at 400Hz, 75µsec. de-emphasis with FM modulation ±75kHz at 400Hz.
Spurious and Harmonic:	70dB or better.
AC Input:	90 to 264VAC; 47-63Hz.
ENVIRONMENTAL	
Temperature Range:	-10°C to +40°C.
Altitude:	7500ft. (2286m) @ 50Hz, 10,000ft. (3048M) @ 60Hz.
ANALOG L & R INPUT	
Input Level:	Jumper selectable (-10, 0, +4, +8dBm) for 100% modulation @ 400Hz.
Input Impedance:	Balanced 600 ohms or 10k ohms resistive; jumper selectable.
Frequency Response:	±0.5dB; 30Hz to 15kHz; flat, 50µsec, or 75µsec.
Total Harmonic Distortion + Noise:	0.05% or less; 30Hz to 15kHz.
FM S/N Ratio:	73dB below 100% modulation at 400Hz measured in a 22Hz to 22kHz bandwidth with CCIR weighted filter.
Intermodulation Distortion (CCIF):	.02% @ 14kHz.
Dimensions:	7" H x 19" W x 19" D.
Boxed Dimensions:	12" H x 23" W x 27" D.
Weight:	Net 25 lbs. Shipping 33 lbs.

ME-40



The ME-40 is an excellent choice to replace your older existing exciters or for use as a standby. It is a high performance FM exciter offering many technical features at a price well below that of the other high quality American made exciters.

ME-40 Features

- 40 Watts VSWR protected power output.
- Peak-hold baseband modulation LED display.
- Test multimeter with forward and reverse power ranges.
- State-of-the-art composite stereo performance.

ME-40 Specifications

Frequency Range:	87.5 to 108 MHz, tuned to specific operating frequency. Exciter programmable in 10 kHz steps.
RF Output Power & Impedance:	3 W to 40 W into 50 ohms continuously adjustable.
Output Connector:	Type BNC.
Frequency Stability:	±500 Hz, 0 to 50°C (+32°F to +122°F).
Modulation Type:	Direct FM at the Carrier Frequency.
Modulation Capability:	±300 kHz.
Modulation Indication:	Peak reading, color coded, and LED display with baseband over-modulation peak hold indicator. One (1) second hold time for peaks above 100% modulation.
Asynchronous AM S/N Ratio:	60dB below 40 Watt reference carrier with 100% amplitude modulation @ 400 Hz and 75 microsecond de-emphasis (no FM modulation present).
Synchronous AM S/N Ratio:	50dB below 40 Watt reference carrier with 100% amplitude modulation @ 1 kHz (FM modulation: ±75 kHz @ 400 Hz @ 25 Watts output power).
Test Meter:	6 function analog meter with selector switch.
Audio/Control Connections:	14 terminal barrier strip, 5 BNC connectors.
Inputs:	2 total, (1) unbalanced and (1) balanced.
Input Impedance:	10 K ohm or 50 ohm, nominal, resistive selectable.
Input Level:	3.5 Vpp nominal, for ±75 kHz deviation.
FM S/N Ratio:	80dB below ±75 kHz deviation @ 400 Hz. Measured in a 20 Hz to 200 kHz bandwidth with 75µsec. de-emphasis.
Harmonic Distortion + Noise:	0.055 or less @ 400 Hz.
SMPTE IM Distortion:	0.05% or less, 60 Hz/7 kHz, 1:1 ratio.
CCIF IM Distortion:	0.05% or less, 15 Hz/14 kHz, 1:1 ratio.
Amplitude Response:	±0.1dB, 30 Hz to 53 kHz.
Phase Response:	±0.25 degrees from linear phase, 30 Hz to 53 kHz.
Dimensions:	5.25" H x 19" W x 19" D.
Boxed Dimensions:	12" H x 23" W x 27" D.
Weight:	Net 38 lbs. Shipping 46 lbs.
FCC ID:	DDE7EPTX-ME-40.