



FM transmitters

- > Economical and compact 6U Rack 19"
- > Continuous operation in emergency mode
- > High efficiency > 78% of 20% power
- > The latest element base

Technical specifications

Options	TF-5000	Meanings	TF-10000
The main			
Output power	5000W		10000W
Frequency range standards	87.5-108.0 MHz CCIR		
Operating modes	Mono, Stereo , MPX		
Modulation	FM (F3E)		
Supply voltage	Three phase, 380V 20% per phase		
Mains consumption	7500W		15000W
Dimensions (HxWxL)	485x264x850mm		550x815x1000mm (Rack 19")
Weight	55kg		*kg
Temperature / humidity	-10 to +50 °C / 95%		
Cooling	air forced with built-in fan		
Frequency step	software step 10 kHz		
Frequency stability	± 10Hz		
Mode preemphazis	0/50 (CCIR) $\mu_{sec.}$,		
Harmonic level	< 75 dBc (80 Typical)		
Asynchronous relation AM s/n	≥ 60 dB (Typical 68)		
Synchronous relationship	≥ 50 dB (Typical 58)		
Mono mode			
s/n FM	> 80 dB RMS (Typical 83 dB)		
Frequency range (Audio)	< ±0.5 dB 30 Hz to 15 kHz(Typical ±0.2 dB)		
Harmonic coefficient	< 0.1% 30 Hz to 15 kHz (Typical 0.07%)		
Mode MPX			
MPX s/n FM	> 80 dB RMS (Typical 85 dB)		
Frequency range (Audio)	±0.2 dB - 30Hz to 53 kHz / ±0.5 dB - 53 kHz to 100 kHz		
Harmonic coefficient	< 0.1% 30 Hz to 53 kHz		
Built-in stereo encoder			
Stereo s/n FM	> 75 dB RMS (Typical 78dB)		
Frequency range (Audio)	±0.5 dB - 30Hz to 15 kHz		
Harmonic coefficient	< 0.05% - 30 Hz to 15 kHz		
Crosstalk	> 50 dB - 30 Hz to 15 kHz (Typical 55 dB)		
Audio input connectors			
left / right	XLR symmetric ;	Resistance : 10 kOhm or 600 Ohm ; level : -13 to +13 dBu	
MPX asymmetric/RDS	BNC asymmetric ;	Resistance : 10kOhm or 50 Ohm ; level : -13 to +13 dBu	
SCA/RDS	2 x BNC asymmetric ;	Resistance : 10kOhm ;	level : -8 to +13 dBu
Other connectors			
RF input	7/8"EIA	\	1+5/8" EIA
RF monitor		BNC	0 dBm)
Pilot output		BNC	
External lock input		BNC	