



FM transmitters

- > **Compact 3U Rack 19"**
- > **Continuous operation in emergency mode**
- > **High efficiency > 80% of 20% power**
- > **The latest element base**

Technical specifications

Options	TF-2000	Meanings	TF-3000
The main			
Output power	2000W		3000W
Frequency range standards	87.5-108.0 MHz FCC -CCIR		
Operating modes	Mono, Stereo, MPX		
Modulation	FM (F3E)		
Supply voltage	Single phase, 220 ±20%		Two phase, 220V 25% per phase
Mains consumption	2900W		4600W
Dimensions (HxWxL)	485 x 88 x 450 mm		
Weight	34kg		38kg
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) μsec., 75 (FCC) μsec.		
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	7/16DIN (7/8 optional)		
RF monitor	BNC (0 dBm)		
Pilot output	BNC		
External lock input	BNC		