



## FM transmitters

- > Compact Rack 19 "2U
- > High efficiency > 80%
- > Continuous operation in emergency mode

### Technical specifications

Options	Meanings		
	TF-300	TF-500	TF-1000
<b>The main</b>			
Output power	300W	500W	1000W
Frequency range standards	87.5-108.0 MHz CCIR.		
Operating modes	Mono, Stereo, CSS		
Modulation	FM (F3E)		
Supply voltage	Single phase, 220 ±20%		
Mains consumption	500W	715W	1428W
Dimensions (HxWxL)	485 x 88 x 450 mm		
Weight	10kg	12kg	17kg
Temperature / humidity	-10 to +50 °C / 95%		
Cooling	air forced with built-in fan		
Frequency step	software step 10 kHz		
Frequency stability	±1 ppm		
Mode preemphasis	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)		
<b>Mono mode</b>			
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 15kHz ( Typical 0.07%)		
<b>Mode MPX</b>			
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		
<b>Built-in stereo encoder</b>			
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)		
<b>Audio input connectors</b>			
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		
<b>Other connectors</b>			
RF input	N (50 Ohm)	7/16 DIN	7/16 DIN
RF monitor		BNC (0 dBm)	
Pilot output		BNC	
External lock input		BNC	