



Exciters / FM transmitters

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

Technical specifications

Options	TF-30	Meanings	TF-100
The main			
Output power	30W		100W
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	70W		170W
Dimensions (HxVxL)		485 x 88 x 450 mm	
Weight	7kg		9kg
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)	
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 : 10 kOhm or 50 Ohm ; level : -13 to +13 dBu	
SCA/RDS		2 x BNC asymmetric ; Resistance : 10 kOhm ; level : -8 to +13 dBu	
Other connectors			
RF input		N (50 Ohm)	
RF monitor		BNC (0 dBm)	
Pilot output		BNC	
External lock input		BNC	