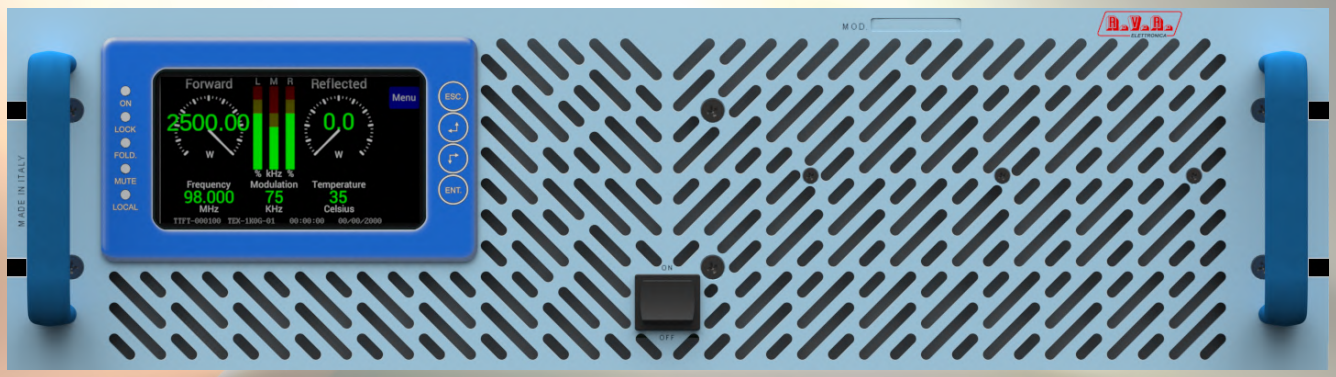
TEX NEXT GENERATION SERIES

Compact FM Transmitters TFT Edition

MODEL **TEX3003A-TFT**



ORDERING INFORMATION	
Model	**Description**
TEX3003A-TFT	Compact FM Stereo Transmitter TFT Edition 3000W.

OPTION	
/AUDIGIN-TFT	AES/EBU audio input option for TEX TFT Series.
/AUDIO-OIP-TFT	Audio over IP.
/RDS-TEX-E-3HE	Build-in RDS system with standard not UECP functions. Option for TEX TFT Series 3RU.
/TLW-TFT-E-3HE	Basic telemetry system via the internet. Option for TEX TFT Series 3RU.

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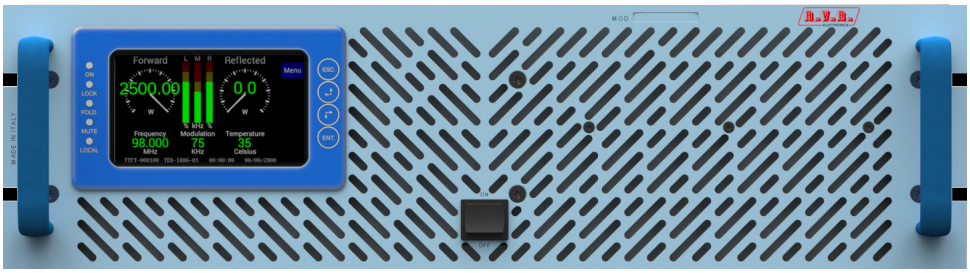

TEX3003A-TFT

Compact FM Stereo Transmitter
TFT Edition 3000W.

FEATURES

- **New Generation FM Transmitters with 4.3" TFT color touch screen.**
- **New Planar technology on the RF Section for extended durability.**
- **New enhanced ventilation with patented open-cell polimeric air filter.**
- **New control board for ventilation and temperature operations.**
- **New heatsink and re-engineered air cooling system.**
- **New patended power supply for better performances.**
- **New RF Filter with isolated cells for better electro-magnetic compatibility.**
- **New Audio management section directly from the front panel.**
- **New embedded RTC Option for automatic power change at specific hours.**
- **Unit noise drastically reduced.**

- Full compliance with EC, FCC and CCIR standards.
- Standard Frequency Range: 87.5 - 108 MHz. Other bands on request.
- 10% - 100% Output Power continuously adjustable.
- Low distortion and intermodulation values.
- APC Automatic Power Control ensuring reliable operation.
- PFC Power supply for enhanced energy saving?
- Inputs: Analogue Stereo L&R, Mono, MPX. Optional: AES/EBU. — option
- Auxiliary input for SCA / RDS signals.
- RDS encoder option with basic or advances features. — option
- WEB, SNMP2, GSM, Serial remote controls. — option

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Parameters		U.M.	Value	Notes
GENERALS				
Frequency range		MHz	87,5 - 108	
Rated output power		W	3000 (± 1dB)	Continuously variable by software from 0 to maximum
Modulation type			F300E	
Operational Mode			Mono, Stereo, MPX	
Working temperature		°C	-5 to +60	
Working Humidity		%	95	Without condensing
Working Altitude		mt	3000	With adequate air evacuation system in site
Frequency programmability		kHz	10	
Frequency stability	Working Temp. from -5°C to 50°C	ppm	±1	
Modulation capability	Refered @ 0dBu for 75kHz	kHz	150	Meets or exceeds all FCC and CCIR rules
Pre-emphasis mode		µS	0, 50, 75	Selectable by rear panel dip switches
POWER REQUIREMENTS				
AC Power Input	AC Supply Voltage	VAC	230 ±15%	
	AC Apparent Power Consumption	VA	4277	
	Active Power Consumption	W	4285	
	Power Factor		0,998	
	Overall Efficiency	%	Typical 70	Up to 72 in specific conditions
	Connector		VDE 16A	
MECHANICAL DIMENSIONS				
Phisical Dimensions	Front panel width	mm	483 (19")	19" EIA rack
	Front panel height	mm	132 (3 1/2") 3HE	
	Overall depth	mm	564	
	Chassis depth	mm	517	
Weight		kg	Approx. 27.5	
Cooling			Forced, with internal fan	
Acoustic Noise		dBA	< 75	
AUDIO INPUTS				
Left / Mono	Connector		XLR F	
	Type		Balanced	
	Impedance	Ohm	10 k or 600	Selectable by rear panel dip switches
	Input Level /Adjust	dBu	-12 to +12	Continuosly variable
Right	Connector		XLR F	
	Type		Balanced	
	Impedance	Ohm	10 k or 600	Selectable by rear panel dip switches
	Input Level	dBu	-12 to +12	Continuosly variable
MPX	Connector		BNC	
	Type		Unbalanced	
	Impedance	Ohm	10 k	Selectable by rear panel dip switches
	Input Level / Adjust	dBu	-12 to +12	For 75 KHz FM, externally adjustable
SCA/RDS	Connector		2 x BNC	
	Type		Unbalanced	
	Impedance	Ohm	10 k	
	Subcarier Level @ 0 dBu	dB	-17 to -40	For 7,5 KHz FM, externally adjustable
AES/EBU (optional)	Connector		XLR F	
	Type		Balanced	
	Impedance	Ohm	110	
	Input Level / Adjust	dBfs	0 to -10	For 7,5 KHz FM, externally adjustable
TOS/Link (optional)	Connector		TOS-LINk	
	Type		Optical	
OUTPUTS				
RF Output	Connector		7/8"	
	Impedance	Ohm	50	
RF Monitor	Connector		BNC	
	Impedance	Ohm	50	
	Output Level	dBm	0 ± 4	Referred to the RF output
Pilot output	Connector		BNC	For RDS and isofrequency synchronizing purpose
	Load Impedance	Ohm	>5 k	
	Output Level	Vpp	1	
FUSES				
On Mains			2 External fuse F 25 A - 6x30 mm	
On services			//	
On PA Supply			//	
On Driver Supply			//	
				Revision 01/22 CE

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Revision 01/22