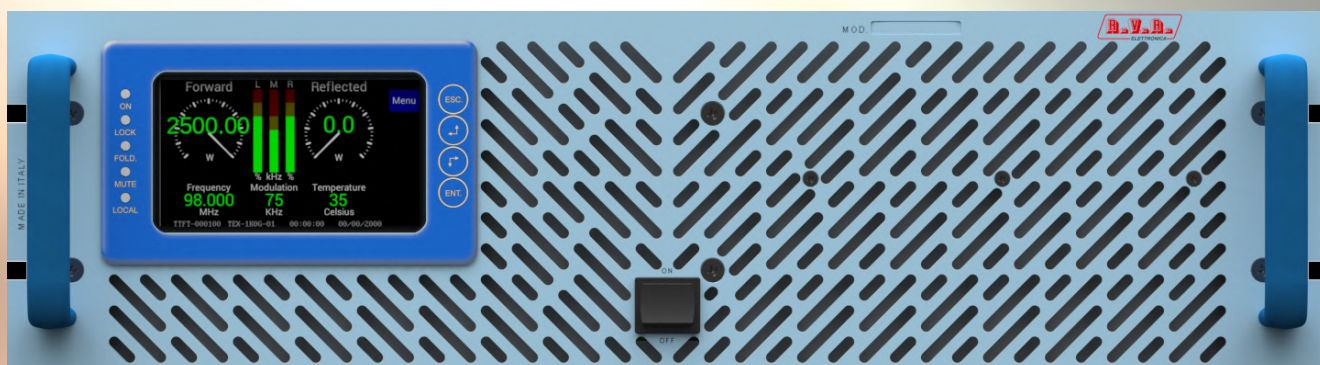


TEX NEXT GENERATION SERIES

Compact FM Transmitters TFT Edition

MODEL **TEX3003A-TFT**



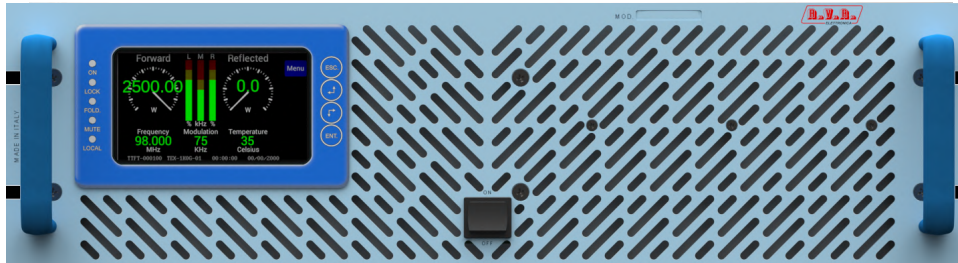
ORDERING INFORMATION

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

OPTION

/AUDIGIN-TFT	AES/EBU192 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 polymeric air filter.

New control board for ventilation and temperature operations.

New heatsink and re-engineered air cooling system.

New patented 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 (MPXd).

option

Auxiliary input for SCA / RDS signals.

RDS encoder option with basic or advanced features.

option

WEB, SNMP2, GSM, Serial remote controls.

option

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	Referred @ 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				
Physical 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	Continuously 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	Continuously 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	
	Subcarrier Level @ 0 dBu	dB	-17 to -40	For 75 KHz FM, externally adjustable
AES/EBU (optional)	Connector		XLR F	
	Type		Balanced	
	Impedance	Ohm	110	
	Input Level / Adjust	dBfs	0 to -10	For 75 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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