

TEX NEXT GENERATION SERIES

Compact FM Transmitters TFT Edition

MODELS TEX1002TFT TEX2003TFT TEX2503TFT TEX5004TFT



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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.

option

Auxiliary input for SCA / RDS signals.

RDS encoder option with basic or advanced features.

option

WEB, SNMP2, GSM, Serial remote controls.

option

ORDERING INFORMATION	
Model	Description
TEX1002TFT	Compact FM Stereo Transmitter TFT Edition 1000W.
TEX2003TFT	Compact FM Stereo Transmitter TFT Edition 2000W.
TEX2503TFT	Compact FM Stereo Transmitter TFT Edition 2500W.
TEX5004TFT	Compact FM Stereo Transmitter TFT Edition 5000W.
OPTION	
/AUDIGIN-TFT	AES/EBU audio input option for TEX TFT Series.
/RDS-TFT2HE	Build-in RDS system with standard UECP 6.1 functions & DSN changeover. Option for TEX TFT Series 2RU.
/RDS-TFT3HE	Build-in RDS system with standard UECP 6.1 functions & DSN changeover. Option for TEX TFT Series 3RU.
/RDS-TEX-E-2HE	Build-in RDS system with standard not UECP functions. Option for TEX TFT Series 2RU.
/RDS-TEX-E-3HE	Build-in RDS system with standard not UECP functions. Option for TEX TFT Series 3RU.
/TLW-TFT-E-2HE	Basic telemetry system via the internet. Option for TEX TFT Series 2RU.
/TLW-TFT-E-3HE	Basic telemetry system via the internet. Option for TEX TFT Series 3RU.

TEX NEXT GENERATION SERIES



TEX1002TFT

Compact FM Stereo Transmitter
TFT Edition 1000W.



TEX2003TFT

Compact FM Stereo Transmitter
TFT Edition 2000W.



TEX2503TFT

Compact FM Stereo Transmitter
TFT Edition 2500W.



TEX5004TFT

Compact FM Stereo Transmitter
TFT Edition 5000W.

Revision 19/05/2021		TEX1002TFT		TEX2003TFT		TEX2503TFT		TEX5004TFT		
Parameters		U.M.								Notes
GENERALS										
Frequency range		MHz	87,5 - 108							
Rated output power		W	1000	2000	2500	5000	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		m	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%	230 ±15%		2300 ±10% (**) 400 ±10% (***)		(*) Internal switch (**) monophase (***) Three-phases Y		
	AC Apparent Power Consumption	VA	1450	2860	3550	7366				
	Active Power Consumption	W	1447	2854	3543	7352				
	Power Factor		0,998				0,100			
	Overall Efficiency	%	about 75	> 70		> 75				
	Connector		VDE 16A				ILME CFX 4/2			
MECHANICAL										
Physical Dimensions	Front panel width	mm	483 (19")						19" EIA rack	
	Front panel height	mm	88 (3 1/2") 2HE	132 (5 1/4") 3HE			177 (7") 4HE			
	Overall depth	mm	561	564			700			
	Chassis depth	mm	470	517			745			
Weight		kg	approx. 11	approx. 26	approx. 27,5	approx 42				
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 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"	7/16"	7/8"					
	Impedance	Ohm	50							
RF Monitor	Connector		BNC							
	Impedance	Ohm	50							
	Output Level	dBm	0 ± 4						Referred to the RF output	
	Connector		BNC						For RDS and isofrequency synchronizing purposes	
Pilot output	Load Impedance	Ohm	>5 k							
	Output Level	Vpp	1							

All pictures are RVR's property and they are only indicative and not binding. The pictures can be modified without notice. These are general specifications. They show typical values and are subject to change without notice.