

TEX NEXT GENERATION SERIES

Compact FM Transmitters TFT Edition

MODELS TEX1002TFT TEX2003TFT TEX2503TFT



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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.

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.



TEX1002TFT

Compact FM Stereo Transmitter
TFT Edition 1000W.



TEX2003TFT

Compact FM Stereo Transmitter
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TEX2503TFT

Compact FM Stereo Transmitter
TFT Edition 2500W.



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Revision 19/05/2021 CE ®		TEX1002TFT	TEX2003TFT	TEX2503TFT	
Parameters	U.M.	Value			Notes
GENERALS					
Frequency range	MHz	87,5 - 108		87,5 - 108	
Rated output power	W	1000	2000	2500	Continuously variable by software from 0 to maximum
Modulation type		F300E		F300E	
Operational Mode		Mono, Stereo, MPX		Mono, Stereo, MPX	
Working temperature	°C	-5 to 60		-5 to 60	
Working Humidity	%	95		95	Without condensing
Working Altitude	m	3000		3000	With adequate air evacuation system in site
Frequency programmability	kHz	10		10	
Frequency stability	Working Temp. from -5°C to 50°C	ppm	±1	±1	
Modulation capability	Referred @ 0dBu for 75kHz	kHz	150	150	Meets or exceeds all FCC and CCIR rules
Pre-emphasis mode		µS	0, 50, 75	0, 50, 75	Selectable by rear panel dip switches
POWER REQUIREMENTS					
AC Power Input	AC Supply Voltage	VAC	230 ±15%	230 ±15%	(*) Internal switch (**) monophase (***) Three-phases Y
	AC Apparent Power Consumption	VA	1450	2860	3550
	Active Power Consumption	W	1447	2854	3543
	Power Factor		0,998	0,998	0,998
	Overall Efficiency	%	about 75		> 70
	Connector		VDE 16A		VDE 16A
MECHANICAL					
Physical Dimensions	Front panel width	mm	483 (19")	483 (19")	19" EIA rack
	Front panel height	mm	88 (3 1/2") 2HE	132 (5 1/4") 3HE	
	Overall depth	mm	561	564	
	Chassis depth	mm	470	517	
Weight	kg	approx. 11	approx. 26	approx. 27,5	
Cooling			Forced, with internal fan	Forced, with internal fan	
Acoustic Noise	dBA		< 75	< 75	
AUDIO INPUTS					
Left / Mono	Connector		XLR F	XLR F	
	Type		Balanced	Balanced	
	Impedance	Ohm	10 k or 600	10 k or 600	Selectable by rear panel dip switches
	Input Level / Adjust	dBu	-12 to +12	-12 to +12	Continuously variable
Right	Connector		XLR F	XLR F	
	Type		Balanced	Balanced	
	Impedance	Ohm	10 k or 600	10 k or 600	Selectable by rear panel dip switches
	Input Level	dBu	-12 to +12	-12 to +12	Continuously variable
MPX	Connector		BNC	BNC	
	Type		unbalanced	unbalanced	
	Impedance	Ohm	10 k	10 k	Selectable by rear panel dip switches
	Input Level / Adjust	dBu	-12 to +12	-12 to +12	For 75 KHz FM, externally adjustable
SCA/RDS	Connector		2 x BNC	2 x BNC	
	Type		unbalanced	unbalanced	
	Impedance	Ohm	10 k	10 k	
	Subcarrier Level @ 0 dBu	dB	-17 to -40	-17 to -40	for 7,5 KHz FM, externally adjustable
AES/EBU (optional)	Connector		XLR F	XLR F	
	Type		Balanced	Balanced	
	Impedance	Ohm	110	110	
	Input Level / Adjust	dBfs	0 to -10	0 to -10	For 7,5 KHz FM, externally adjustable
TOS/Link (optional)	Connector		TOS-LINK	TOS-LINK	
	Type		Optical	Optical	
OUTPUTS					
RF Output	Connector		7/8"	7/16"	7/8"
	Impedance	Ohm	50	50	
RF Monitor	Connector		BNC	BNC	
	Impedance	Ohm	50	50	
	Output Level	dBm	0 ± 4	0 ± 4	Referred to the RF output
Pilot output	Connector		BNC	BNC	For RDS and isofrequency synchronizing purpose
	Load Impedance	Ohm	>5 k	>5 k	
	Output Level	Vpp	1	1	