

TEX-TFT SERIES

NEXT GENERATION TRANSMITTERS

COMPACT STEREO TRANSMITTERS TFT EDITION

MODEL **TEX502TFT**



ORDERING INFORMATION	
Model	Description
TEX502TFT	500W Compact Stereo Transmitter TFT Edition.
OPTION	
/AUDIGIN-TFT	AES/EBU audio input.
/RDS-TFT2HE	Build-in RDS system with standard UECP 6.1 functions & DSN changeover.
/TLW-TFT-E-2HE	Basic telemetry system via the internet.
/CNT7/16-175	7/16" output RF connector.
/RDS-TEX-E-2HE	Build-in RDS system with standard not UECP functions.



TEX502TFT

500W Compact Stereo Transmitter TFT Edition.

FEATURES

New Generation FM Transmitters with 4.3" TFT color graphic touch screen.

Last generation planar RF Pallet with LD-MOSFET

Enhanced cooling with open-cell polymeric air filter.

Temperature controlled cooling system.

High efficiency Heatsink.

New patented power supply for better performances.

Effective RF Output Filter for maximum spectral cleanness.

Audio Setting directly from Menu.

Built-in RTC Timer for automatic change of the output power.

Re-engineered air cooling system.

Full compliance with CCIR, EN, FCC standards.

Standard FM Frequency: 87.5 - 108 MHz.

Output Power continuously adjustable from 10 to 100%

Low distortion and intermodulation values.

APC Automatic Power Control for maximum stability of the output Power.

Energy saving PFC Power Supply for maximum of efficiency.

Inputs: Analogue Stereo L&R, Mono, MPX. AES/EBU. option

Two auxiliary Inputs for external RDS/SCA.

Upgradable with integrated RDS Encoder (Basic or fully UECP 6.1). option

WEB, SNMP2, Serial remote controls. option

TEX502TFT

Parameters	U.M.	Value	Notes	
GENERALS				
Frequency range	MHz	87,5 ÷ 108		
Rated output power	W	500	Continuously adjustable from 10 to 100%	
Modulation type		F300E		
Operational mode		Mono, Stereo, MPX		
Working temperature	°C	-5 to +50		
Working humidity	%	95	Without condensing	
Working altitude	mt	Up to 3000 *	* With adequate air evacuation system in site	
Frequency setting	kHz	10	Step	
Frequency stability	Temperature range from -5°C to 50°C	ppm	±1	
Modulation capability	Referred @ 0dBu for 75kHz	kHz	150	
Pre-emphasis		µS	0, 50, 75	
POWER REQUIREMENTS				
AC Power input	AC Supply Voltage	VAC	80 ± 260%	
	AC Apparent Power Consumption	VA	710	
	Active Power Consumption	W	700	
	Power Factor		0,994	
	Overall Efficiency	%	Typical 70 *	* Up to 72 in specific conditions
Connector			VDE IEC Standard	
MECHANICAL DIMENSIONS				
Physical dimensions	Front panel width	mm / inch	483 / 19	EIA rack
	Front panel height	mm / inch	88 / 3 1/2	2HE
	Overall depth	mm	394	
	Chassis depth	mm	372	
Weight		kg	Approx. 8	
Cooling			Forced, with internal fan	
Acoustic noise		dBA	< 75	
AUDIO INPUTS				
Left / Mono	Connector		XLR F	
	Type		Balanced	
	Impedance	Ohm	10 k or 600	
	Input Level / Adjust	dBu	-12 to +12	Continuously adjustable
Right	Connector		XLR F	
	Type		Balanced	
	Impedance	Ohm	10 k or 600	
	Input Level	dBu	-12 to +12	Continuously adjustable
MPX	Connector		BNC	
	Type		Unbalanced	
	Impedance	Ohm	10 k	
	Input Level / Adjust	dBu	-12 to +12	For 7,5 KHz FM, 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, adjustable
AES/EBU (optional)	Connector		XLR F	
	Type		Balanced	
	Impedance	Ohm	110	
	Input Level / Adjust	dBfs	0 to -10	For 7,5 KHz FM, adjustable
TOS/Link (optional)	Connector		TOS-LINK	
	Type		Optical	
OUTPUTS				
RF Output	Connector		N	
	Impedance	Ohm	50	
RF Monitor	Connector		BNC	
	Impedance	Ohm	50	
	Output Level	dBm	0 ± 4	
Pilot output	Connector		BNC	
	Load Impedance	Ohm	>5 k	
	Output Level	Vpp	1	Sinusoidal
FUSES				
On mains			1 External fuse F 16 A - 5x20 mm	
On services			X	
On PA supply			X	
On driver supply			X	

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.



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