

TEX NEXT GENERATION SERIES

Compact Stereo Transmitters TFT Edition
MODELS

TEX1002TFT
TEX1003TFT

TEX1703TFT
TEX2003TFT

TEX2503TFT
TEX5004TFT



Discover the brand new low and medium power transmitter Series from R.V.R. Elettronica combining the latest technologies applied to the RF field. With the aim of improving the overall performances, from the interface usability to audio management and broadcasting parameters, this series of Transmitters have been developed to deliver a new high-standard at a very appealing quality-price relation.

- 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.
- Enhanced energy saving power supply.
- Inputs: Analogue Stereo L&R, Mono, MPX. AES/EBU (option).
- Auxiliary input for SCA / RDS signals.
- RDS encoder option with basic or advanced features (option).
- WEB, SNMP, GSM, Serial remote controls (option).

ORDERING INFORMATION

Model	Description
TEX32TFT	30W Compact stereo transmitter TFT Edition.
TEX52TFT	50W Compact stereo transmitter TFT Edition.
TEX302TFT	300W Compact stereo transmitter TFT Edition.
TEX502TFT	500W Compact stereo transmitter TFT Edition.
TEX702TFT	700W Compact stereo transmitter TFT Edition.
TEX1002TFT	1000W Compact stereo transmitter TFT Edition.
TEX1003TFT	1000W High redundancy Compact stereo transmitter TFT Edition.
TEX1703TFT	1700W Compact stereo transmitter TFT Edition.
TEX2003TFT	2000W Compact stereo transmitter TFT Edition.
TEX2503TFT	2500W Compact stereo transmitter TFT Edition.
TEX5004TFT	5000W 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.
/RDS-TFT3HE	Build-in RDS system with standard UECP 6.1 functions & DSN changeover.
/RDS-TEX-E-2HE	Build-in RDS system with standard not UECP functions.
/RDS-TEX-E-3HE	Build-in RDS system with standard not UECP functions.
/RDS-TEX-E-4HE	Build-in RDS system with standard not UECP functions.
/TLW-TFT-E-2HE	Basic telemetry system via the internet.
/TLW-TFT-E-3HE	Basic telemetry system via the internet.
/TLW-TFT-E-4HE	Basic telemetry system via the internet.
/CNT7/8-150	7/8" EIA flange type output connector option.
/CNT7/16-175	7/16" output RF connector.



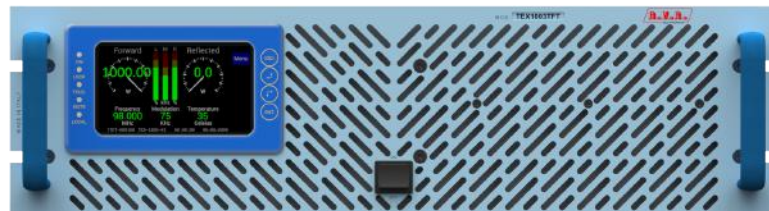
TEX1002TFT

1000W Compact Stereo Transmitter TFT Edition.



TEX2003TFT

2000W Compact Stereo Transmitter TFT Edition.



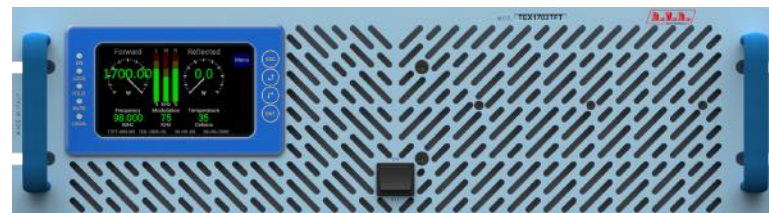
TEX1003TFT

1000W High redundancy Compact Stereo Transmitter TFT Edition.



TEX2503TFT

2500W Compact Stereo Transmitter TFT Edition.



TEX1703TFT

1700W Compact Stereo Transmitter TFT Edition.



TEX5004TFT

5000W Compact Stereo Transmitter TFT Edition.

Features

High quality modern transmitter at an extremely low price, compact, non-deformable and light because it is made of stainless steel chassis. It guarantees high continuity of operation in any working condition through an automatic control (ALC) and a Foldback protection with adjustable output power from 10 to 100%.

It has standard L&R, Mono, MPX and SCA / RDS analogue audio inputs, with the possibility of TOSLINK and optional AES / EBU as well as the integrated RDS encoder (UECP standard Low distortion values, a high signal-to-noise ratio, combined with saving of energy and environmental resources of high yields (over 70% on the whole band) ensures an excellent transmission service.

Limited maintenance is facilitated by extreme accessibility, resulting from an advanced modular engineering, and by a water-washable air filter.

A complete control based on ARM microprocessor, from interactive menus on TFT Touch display of all the main parameters and an integrated WEB / SNMP telemetry system (optionally) guarantee full compliance with EC, FCC and CCIR regulations.

Parameters	U.M.	TEX1002TFT		TEX1003TFT		TEX1703TFT		Notes	
		Value		Value		Value			
GENERALS									
Frequency range	MHz	87,5 - 108							
Rated output power	W	1000		1700		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	m	Up to 3000						With adequate air evacuation system in site	
Frequency programmability	kHz	10						Step	
Frequency stability	ppm	±1							
Modulation capability	kHz	150						Meets or exceeds all FCC and CCIR rules	
Pre-emphasis mode	µS	0, 50, 75						Selectable	
POWER REQUIREMENTS									
AC Supply Voltage	VAC	230 ±15%							
AC Apparent Power Consumption	VA	1450	1550	2260					
Active Power Consumption	W	1447	1500	2210					
Power Factor		0,998							
Overall Efficiency	%	Typical 70*						* Up to 72 in specific conditions.	
Connector		VDE 16A							
MECHANICAL DIMENSIONS									
Front panel width	mm / inch	483 / 19						EIA rack	
Front panel height	mm / inch	88 / 3 1/2 2HE		132 / 5 1/4 3HE					
Overall depth	mm	561		564					
Chassis depth	mm	470		517					
Weight	kg	Approx. 12	Approx. 20,50	Approx. 26					
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	TOSLINK							
	Type	Optical							
OUTPUTS									
RF Output	Connector	7/8"		7/16"					
	Impedance	Ohm	50						
RF Monitor	Connector	BNC							
	Impedance	Ohm	50						
	Output Level	dBm	0 ± 4						
	Connector	BNC							
Pilot output	Load Impedance	Ohm	>5 k						
	Output Level	Vpp	1						Sinusoidal
FUSES									
On mains		2 External fuse F 16 A - 6x30 mm							
On services		X							
On PA Supply		X							
On driver supply		X							

Parameters	U.M.	TEX2003TFT		TEX2503TFT		TEX5004TFT		Notes	
		Value		Value		Value			
GENERALS									
Frequency range	MHz	87,5 - 108							
Rated output power	W	2000	2500	5000		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	m	Up to 3000						With adequate air evacuation system in site	
Frequency programmability	kHz	10							
Frequency stability	ppm	±1							
Modulation capability	kHz	150						Meets or exceeds all FCC and CCIR rules	
Pre-emphasis mode	µS	0, 50, 75						Selectable	
POWER REQUIREMENTS									
AC Supply Voltage	VAC	230 ±15%							
AC Apparent Power Consumption	VA	2860	3550	7366		Monophase Threephases Y			
Active Power Consumption	W	2854	3543	7352					
Power Factor		0,998							
Overall Efficiency	%	Typical 70*						*Up to 72 in specific conditions	
Connector		VDE 16A		ILME CFX 4/2					
MECHANICAL DIMENSIONS									
Front panel width	mm / inch	483 / 19						EIA rack	
Front panel height	mm / inch	132 / 5 1/4 3HE		177 / 7 4HE					
Overall depth	mm	564		745					
Chassis depth	mm	517		700					
Weight	kg	Approx. 25	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						
	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	7/16"		7/8"					
	Impedance	Ohm	50						
RF Monitor	Connector	BNC							
	Impedance	Ohm	50						
	Output Level	dBm	0 ± 4						
	Connector	BNC							
Pilot output	Load Impedance	Ohm	>5 k						
	Output Level	Vpp	1						Sinusoidal
FUSES									
On mains		2 External fuse F 25 A - 6x30 mm		3 External fuse F 20 T - 10x38 mm					
On services		X		X					
On PA Supply		X		X					
On driver supply		X		1 Internal Fuse F6,3T 5x20 mm					



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