

TEX-LCD SERIES

COMPACT STEREO TRANSMITTERS

MODEL **TEX502LCD**



ORDERING INFORMATION	
Model	Description
TEX502LCD	500W Compact Stereo Transmitter.
OPTION	
/AUDIGIN-TEX	AES/EBU audio input.
/RDS-TEX2HE	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.
/RTC-TEX	Weekly power events function.
/TLW-TEX-E-2HE	Basic telemetry system via the internet.
/CNT7/16-175	7/16" output RF connector.



TEX502LCD

500W Compact Stereo Transmitter.

FEATURES

PRIMARY APPLICATION: high quality at a very attractive price. Ideal for use as exciters in compact and modular system.

HARDWARE FEATURES: compact, non-deformable and light thanks to the stainless steel chassis, in 2 rack units only.

USER-FRIENDLY FEATURES: universal 80-260 V multi-voltage power supply enables operation without preselect voltage. Four pushbuttons for user/device interaction and software that offers a simple, intuitive interface.

RELIABILITY/CONTINUITY: APC (Automatic Power Control) and Foldback protection ensure reliable operation under any operating conditions.

AUDIO PERFORMANCE: low distortion and intermodulation values and a high noise/signal ratio.

OPERATING EFFICIENCY: incorporate a PFC (Power Factor Corrector) power supply, that provides the utmost efficiency for enhanced energy saving and environmental protection, which ensure high efficiency across the bandwidth.

EASE OF MAINTENANCE: advanced module engineering ensures extreme of access and simple maintenance.

INTERFACE CONTROL: total control thanks to microprocessor easily programmed from menu with all key parameters displayed on LCD.

INPUT/OUTPUT INTERFACE: built-in high-performance stereo coder, L&R analogue audio inputs, Mono inputs, MPX composite signal and auxiliary inputs for SCA / RDS signals.

RDS APPLICATION: built-in RDS encoder with UECP standard functions (option).

REMOTE CONTROL: built-in telemetry system via GSM modem, battery and battery charger or via WEB or via SNMP (option).

REGULATORY COMPLIANCE: state-of-the-art technology in full compliance with EC, FCC and CCIR standards.

TEX502LCD

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		F3E Direct carrier frequency	
Operational mode		Mono, Stereo, Multiplex	
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	Steps
Frequency stability	Temperature range from -5°C to 50°C	ppm	±1
Modulation capability	Referred @ 0dBu for 75kHz	kHz	150 Stereo, 180 Mono/MPX
Pre-emphasis		µS	0, 50 (CCIR), 75 (FCC)
POWER REQUIREMENTS			
AC Power input	AC Supply Voltage	VAC	80 -260
	AC Apparent Power Consumption	VA	653
	Active Power Consumption	W	650
	Power Factor		0,998
	Overall Efficiency	%	Typical 70
Connector			VDE IEC Standard
MECHANICAL DIMENSIONS			
Physical dimensions	Front panel width	mm / inch	483 / 19
	Front panel height	mm / inch	88 / 3 1/2
	Overall depth	mm	394
	Chassis depth	mm	372
Weight		kg	About 9,5
Cooling			Forced, with internal fan
Acoustic noise		dBA	< 75
AUDIO INPUTS			
Left / Mono	Connector		XLR F
	Type		Balanced
	Impedance	Ohm	10 k or 600
	Input Level / Adjust	dBu	-13 to +13
			Continuously adjustable
Right	Connector		XLR F
	Type		Balanced
	Impedance	Ohm	10 k or 600
	Input Level	dBu	-13 to +13
			Continuously adjustable
MPX	Connector		BNC
	Type		Unbalanced
	Impedance	Ohm	10 k or 50
	Input Level / Adjust	dBu	-13 to +13
			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 type
	Impedance	Ohm	50
RF Monitor	Connector		BNC
	Impedance	Ohm	50
	Output Level	dB	Approx. -60
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.



R.V.R. Elettronica S.r.l.

Via del Fonditore 2/2 c
40138 Bologna - Italy
Phone +39 051 6010506
info@rvr.it

www.rvr.it