

TEX LCD SERIES

Compact FM Transmitters LCD

MODEL **TEX502LCD**



ORDERING INFORMATION

Model	Description
TEX502LCD	Compact FM Stereo Transmitter LCD Edition 500W.

OPTION

/AUDIGIN-TEX	AES/EBU audio input option for TEX LCD Series.
/RDS-TEX2HE	Build-in RDS system with standard UECP 6.1 functions & DSN changeover. Option for TEX LCD Series 2RU.
/RDS-TEX-E-2HE	Build-in RDS system with standard not UECP functions. Option for TEX LCD Series 2RU.
/TLW-TEX-E-2HE	Basic telemetry system via the internet. Option for TEX LCD Series 2RU.
/RTC-TEX	Weekly power events function.
/CNT7/16-175	7/16" output RF connector.



TEX502LCD

Compact FM Stereo Transmitter
LCD Edition 500W.

FEATURES

PRIMARY APPLICATION: high quality at a very attractive price. Ideal for use as transmitters in stand-alone applications. Adjustable power output from 10 to 100%.

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 supply, that provides the utmost efficiency for enhanced energy saving and environmental protection, which added to LD-MOSFET technology ensure high efficiency, better than 70% across the bandwidth.

EASE OF MAINTENANCE: advanced module ease 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.

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	No 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 75 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

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