TEX-LCD SERIES

COMPACT STEREO TRANSMITTERS

MODEL **TEX100LCD/S**

ORDERING INFORMATION	
Model	Description
TEX100LCD/S	**100W** 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.

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TEX100LCD/S

100W 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.

TEX100LCD/S

Parameters		U.M.	Value	Notes
GENERALS				
Frequency range		MHz	87,5 ÷ 108	
Rated output power		W	100	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	Refered @ 0dBu for 75kHz	kHz	150 Stereo, 180 Mono/MPX	Meets or exceeds all FCC and CCIR rules
Pre-emphasis		µS	0, 50 (CCIR), 75 (FCC)	Selectable
POWER REQUIREMENTS				
AC Power input	AC Supply Voltage	VAC	115 / 230 ±15%	Internal switch
	AC Apparent Power Consumption	VA	330	
	Active Power Consumption	W	212	
	Power Factor		0,6	
	Overall Efficiency	%	Typical 47	
	Connector		VDE IEC Standard	
MECHANICAL DIMENSIONS				
Phisical 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	About. 8,5	
Cooling			Forced, with internal fan	
Acoustic noise		dBA	< 58	
AUDIO INPUTS				
Left / Mono	Connector		XLR F	
	Type		Balanced	
	Impedance	Ohm	10 k or 600	
	Input Level /Adjust	dBu	-13 to +13	Continuosly adjustable
Right	Connector		XLR F	
	Type		Balanced	
	Impedance	Ohm	10 k or 600	
	Input Level	dBu	-13 to +13	Continuosly 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	
	Subcarier 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 6,3 T - 5x20 mm	
On services			X	
On PA Supply			X	
On driver supply			X	

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