TEX-LCD SERIES

COMPACT HEAVY DUTY

from 30W to 3500W

MODELS

TEX30LCD/S
TEX50LCD/S
TEX100LCD/S
TEX150LCD/S
TEX300LCD
TEX502LCD
TEX702LCD
TEX3500LCD

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After decades of uninterrupted success our TEX Series remains the most installed transmitter worldwide in any type of radio station.

Cabable of working as well under extreme conditions, the wide range of powers available, combined with high reliability and power efficiency make these models the perfect solution for those looking for high quality at a very attractive price. These compact units can be used as a stand-alone all-in-one transmitters or as exciters in modular solutions.

- **Worldwide best seller since 1979.**
- **High quality and rock solid at unbeatable value for money.**
- **Full compliance with EC, FCC and CCIR standards.**
- **Standard Frequency Range: 87.5 - 108 MHz. Other bands on request.**
- **Low distortion and intermodulation values.**
- **10% - 100% Output Power continuously adjustable.**
- **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 with basic or advances features (option).**
- **WEB, SNMP2, GSM, Serial remote controls (option).**

ORDERING INFORMATION	
Model	Description
TEX30LCD/S	**30W** Compact Stereo Transmitter.
TEX50LCD/S	**50W** Compact Stereo Transmitter.
TEX100LCD/S	**100W** Compact Stereo Transmitter.
TEX150LCD/S	**150W** Compact Stereo Transmitter.
TEX300LCD	**300W** Compact Stereo Transmitter.
TEX502LCD	**500W** Compact Stereo Transmitter.
TEX702LCD	**700W** Compact Stereo Transmitter.
TEX3500LCD	**3500W** Compact Stereo Transmitter.

OPTION	
/AUDIGIN-TEX	AES/EBU audio input.
/RDS-TEX2HE	Build-in RDS system with standard UECP 6.1 functions.
/RDS-TEX3HE	Build-in RDS system with standard UECP 6.1 functions.
/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.
/TLW-TEX-E-2HE	Basic telemetry system via the internet.
/TLW-TEX-E-3HE	Basic telemetry system via the internet.
/RTC-TEX	Weekly power events function.
/CNT7/16-175	7/16" output RF connector.

TEX30LCD/S

30W Compact Stereo Transmitter.

TEX100LCD/S

100W Compact Stereo Transmitter.

TEX150LCD/S

150W Compact Stereo Transmitter.

TEX300LCD

300W Compact Stereo Transmitter.

TEX702LCD

700W Compact Stereo Transmitter.

TEX3500LCD

3500W Compact Stereo Transmitter.

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Parameters		U.M.	TEX30LCD/S	TEX100LCD/S	TEX150LCD/S	Notes
GENERALS						
Frequency range		MHz	87,5 ÷ 108			
Rated output power		W	30	100	150	Continuously adjustable from 10 to 100%
Modulation type			F3E Direct carrier frequency			
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			Steps
Frequency stability	Working Temp. 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 mode		µS	0, 50 (CCIR), 75 (FCC)			Selectable
POWER REQUIREMENTS						
AC Power input	AC Supply Voltage	VAC	80 ± 260%	115 / 230 ±15%		
	AC Apparent Power Consumption	VA	130	330	440	
	Active Power Consumption	W	70	212	260	
	Power Factor		0,6			
	Overall Efficiency	%	Typical 50	Typical 47	Typical 55	
	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 6,5	About 8,5		
Cooling			Forced, with internal fan			
Acoustic noise		dBA	< 58			
AUDIO INPUTS						
Left / Mono	Connector		XLR F			
	Type		Balanced			
	Impedance	Ohm	10 or 600 k			
	Input Level /Adjust	dBu	-13 to +13			Continuosly adjustable
Right	Connector		XLR F			
	Type		Balanced			
	Impedance	Ohm	10 or 600 k			
	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		TOSLINk			
	Type		Optical			
OUTPUTS						
RF Output	Connector		N type			
	Impedance	Ohm	50			
RF Monitor	Connector		BNC			
	Impedance	Ohm	50			
	Output Level	dBm	Approx. -30	Approx. -60		
Pilot output	Connector		BNC			
	Load Impedance	Ohm	>5 k			
	Output Level	Vpp	1			Sinusoidal
FUSES						
On mains			1 External fuse F 3,15 T - 5x20 mm	1 External fuse F 6,3 T - 5x20 mm		
On services			X			
On PA Supply			X			
On driver supply			X			

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Parameters		U.M.	TEX300LCD	TEX702LCD	TEX3500LCD	Notes
GENERALS						
Frequency range		MHz	87,5 ÷ 108			
Rated output power		W	300	700	3500	Continuously adjustable from 10 to 100%
Modulation type			F3E Direct carrier frequency			
Operational mode			Mono, Stereo, MPX			
Working temperature		°C	-5 to + 50			
Working humidity		%	95			Without condensing
Working altitude		m	Up to 3000		Up to 2000	With adequate air evacuation system in site
Frequency programmability		kHz	10			Steps
Frequency stability	Working Temp. 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 mode		µS	0, 50 (CCIR), 75 (FCC)			Selectable
POWER REQUIREMENTS						
AC Power input	AC Supply Voltage	VAC	80 ÷260		230 +10% -15% | 400 +10% -15%	Monophase | Threephases Y
	AC Apparent Power Consumption	VA	560	912	4996	
	Active Power Consumption	W	520	910	4987	
	Power Factor		0,98	0,998		
	Overall Efficiency	%	Typical 55	Typical 70		
	Connector		VDE IEC Standard		Terminal Block	
MECHANICAL DIMENSIONS						
Phisical 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	394		675	
	Chassis depth	mm	372		650	
Weight		kg	About 9	About 9,5	About 29	
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			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		TOSLINK			
	Type		Optical			
OUTPUTS						
RF Output	Connector		N type		7/8" EIA	
	Impedance	Ohm	50			
RF Monitor	Connector		BNC			
	Impedance	Ohm	50			
	Output Level	dBm	Approx. -60			
Pilot output	Connector		BNC			
	Load Impedance	Ohm	>5 k			
	Output Level	Vpp	1			Sinusoidal
FUSES						
On mains			1 External fuse F 8 L - 5x20 mm		3 External fuse F 10 T - 6x30 mm	
On services			X		X	
On PA Supply			X		4 Internal F 32 A 10x38mm	
On driver supply			X		X	

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Member of CISQ Federation

CERTIFIED MANAGEMENT SYSTEM
ISO 9001

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