# TEX-LCD SERIES

## Compact Stereo Transmitters

MODELS

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


**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. |


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## 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.

### 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.



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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 | | | |

| 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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