

# exciters/transmitters

- > *easy maintenance series*
- > *compact with integrated exciters series*
- > *high fidelity series*

**TEX30 LCD**  
**TEX50 LCD**  
**TEX100 LCD**  
**TEX150 LCD**  
**TEX300LCD**



TEX-LCD front view

## Features

- > **PRIMARY APPLICATION:** RVR TEX transmitters offer uncompromised transmission quality at a very attractive price. Ideal for use as drivers for small-power stations or as transmitters in stand-alone applications. Adjustable power output from 0 Watt to maximum output power.
- > **HARDWARE FEATURES:** RVR TEX transmitters are compact 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 on different mains voltages with no need to preselect voltage. Pushbuttons for user/device interaction provide enhanced accessibility, resulting in extreme ease of use. Configuration software offers a simple, intuitive interface.
- > **RELIABILITY/CONTINUITY:** the SMD technology ensures enhanced business continuity. APC (Automatic Power Control) and Foldback protection ensure reliable operation under any operating conditions.
- > **AUDIO PERFORMANCE:** key audio features are low distortion and intermodulation values and a high noise/signal ratio.
- > **EASE OF MAINTENANCE:** advanced module engineering ensures extreme ease of access and simple maintenance.
- > **INTERFACE CONTROL:** total control thanks to microprocessor easily programmed from menu or via RS232 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 standard basic functions (option).
- > **REMOTE CONTROL:** built-in telemetry system with GSM modem, battery and battery charger (option).
- > **REGULATORY COMPLIANCE:** state-of-the-art technology in full compliance with EC, FCC and CCIR standards.

## stereo/MPX FM exciters 87,5 - 108 MHz

(Oirt and  
JPN Band  
upon  
request)



TEX-LCD rear view

### Caratteristiche

- > **PRIMARY APPLICATION:** i trasmettitori della linea **TEX RVR** sono sinonimo di qualità di trasmissione senza compromessi ad un prezzo estremamente contenuto. Ideali come driver per stazioni di piccola potenza o come trasmettitori in applicazioni stand-alone. Potenza di uscita regolabile da 0 Watt alla massima potenza erogabile.
- > **HARDWARE FEATURES:** i **TEX RVR** sono compatti, indeformabili e leggeri perché realizzati in chassis di acciaio inox, in sole 2 unità rack.
- > **USER-FRIENDLY FEATURES:** utilizzabili a diverse tensioni di rete per mezzo di un'alimentatore universale multitensione da 80 V a 260 V senza necessità di preselezione. Estrema semplicità d'utilizzo, data dall'accessibilità fornita dai tasti a pressione per l'interazione fra l'utente e l'apparato. Interfaccia del software di configurazione intuitiva e semplificata.
- > **RELIABILITY/CONTINUITY:** elevata continuità di esercizio garantita dalla tecnologia costruttiva SMD. Funzionamento in qualsiasi condizione di lavoro, assicurato dal controllo automatico APC e la protezione di Foldback.
- > **AUDIO PERFORMANCE:** le caratteristiche audio di rilievo di questi apparati sono i bassi valori di distorsione, di intermodulazione e l'alto rapporto segnale rumore.
- > **EASE OF MAINTENANCE:** estrema accessibilità e semplicità di manutenzione grazie ad una avanzata ingegnerizzazione modulare dell'apparato.
- > **INTERFACE CONTROL:** controllo completo basato su di un micro-processore facilmente programmabile da menu o via RS232 con lettura su display LCD di tutti i parametri principali.
- > **INPUT/OUTPUT INTERFACE:** stereo coder integrato ad elevate prestazioni, ingressi audio analogici L&R, Mono e segnale composito MPX ed ausiliari per segnali SCA / RDS.
- > **RDS APPLICATION:** encoder RDS integrato con funzioni di base standard (versione vendibile opzionalmente).
- > **REMOTE CONTROL:** sistema di telemetria integrato con modem GSM, batteria e caricabatteria (versione vendibile opzionalmente).
- > **REGULATORY COMPLIANCE:** tecnologia moderna e pienamente rispondente alle normative EC, FCC ed CCIR.

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## Technical specifications

Parameters	TEX30LCD	TEX50LCD	TEX100LCD	TEX150LCD	TEX300LCD
	Values	Values	Values	Values	Values
<b>GENERALS</b>					
Rated output power	30W	50W	100W	150W	300W
Frequency range	FCC -CCIR - OIRT - JPN				
Operational Mode	Mono, Stereo, Multiplex				
Modulation type	F3E				
Primary Power	80 ÷ 260 Vac or 24 Vdc	115 / 230 ±15% or 28 Vdc	115 / 230 ±15% or 28 Vdc	115 / 230 ±15% or 28 Vdc	80 ÷ 260 Vac
AC Power Consumption	130 VA / 70W	200 VA /100W	330 VA / 212 W	440 VA / 260 W	560 VA / 520 W
Physical Dimensions (WxHxD)	483 x 88 x 394 mm				
Weigh	7 kg	8,5 kg			9,5 kg
Environmental Working Conditions	-10 ÷ +50 °C / 95% relative humidity non condensing				
Cooling	Forced, with internal fan				
Frequency programmability	From software, with 10 kHz steps				
Frequency stability	±1 ppm				
Pre-emphasis mode	0/50 (CCIR) µS, 75 (FCC) µS				
Spurious & harmonic suppression	< 75 dBc (80 typical)				
Asynchronous AM S/N ratio	≥65 dB (typical 70)	≥60 dB (typical 68)			≥60 dB (typical 65)
Synchronous AM S/N ratio	≥50 dB (typical 60)	≥50 dB (typical 58)			≥50 dB (typical 55)
<b>MONO OPERATION</b>					
S/N FM Ratio	> 80 dB RMS (typical 83 dB)				
Frequency Response	< ± 0.5 dB 30Hz ÷ 15kHz (typical ± 0.2 dB)				
Total Harmonic Distortion	< 0.1% 30 Hz ÷ 15 kHz (typical 0.07%)				
Intermodulation distortion	< 0.02% with 1 kHz and 1,3 kHz tones				
<b>MPX OPERATION</b>					
Composite S/N FM Ratio	> 80 dB RMS (typical 85 dB)				
Frequency Response	± 0.2 dB 30Hz ÷ 53kHz / ± 0.5 dB 53kHz ÷ 100 kHz				
Total Harmonic Distortion	< 0.1% 30Hz ÷ 53kHz				
Intermodulation distortion	< 0.05% with 1 kHz and 1,3 kHz tones				
<b>INTERNAL STEREO CODER OPERATION</b>					
Stereo S/N FM Ratio	> 75 dB RMS (typical 78dB)				
Frequency Response	± 0.5 dB 30 Hz ÷ 15 kHz				
Total Harmonic Distortion	< 0.05% 30 Hz ÷ 15 kHz				
Intermodulation distortion	≤0.03% with 1 kHz and 1,3 kHz tones				
Stereo separation	> 50 dB 30 Hz ÷ 15 kHz (typical 55 dB)				
<b>AUDIO INPUT CONNECTORS</b>					
Left / Right	XLR balanced; Impedance: 10 k or 600 ohm; Level: -13 to +13 dBu				
MPX unbalanced/RDS	BNC unbalanced; Impedance: 10 k or 50 ohm; Level: -13 to +13 dBu				
SCA/RDS	2 x BNC unbalanced; Impedance: 10 k; Level: -8 to +13 dBu				
<b>OTHER CONNECTORS</b>					
RF Output	N (50 ohm)				
RF Monitor	BNC (- 30dB referred to RF output )				
Pilot output	BNC (1Vpp)				
Interlock Input	BNC				
<b>STANDARD COMPLIANCE</b>					
Safety	EN 60215:1989 EN60215/A1:1992-07 EN60215/A2:1994-09				
EMC	EN 301 489-1 V1.4.1 (2002-08) EN 301 489-11 V1.2.1 (2002-11)				
Radio	EN 302 018-2 V1.2.1 (2005-06)				

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.

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## Ordering information

### Options for TEX-LCD - Opzioni per TEX-LCD

Code	Description
<b>/CW</b>	Morse-coded station ID code generated through FSK (Frequency Shift Keying) function * <i>Codice identificativo della radio via codice Morse attraverso la funzione FSK (Frequency Shift Keying) *</i>
<b>/RDS-TEX2HE</b>	Built-in RDS system with standard basic functions <i>Sistema RDS integrato con funzioni base standard</i>
<b>TCPIPINT-TEX</b>	Telemetry system via the Internet <i>Sistema di telemetria attraverso internet</i>
<b>/TLM-TEX2HE</b>	Telemetry system via internal GSM modem Battery and battery changer included <i>Sistema di telemetria attraverso modem GSM interno Batteria e caricabatterie incluse</i>
<b>/TLC-TEX2HE</b>	Internal telemetry system without GSM modem <i>Sistema di telemetria interna senza modem GSM</i>
<b>/MODGSM</b>	Telemetry system via internal GSM modem <i>Sistema di telemetria attraverso modem GSM interno</i>
<b>/MODPSTN</b>	Telemetry system via internal PSTN modem <i>Sistema di telemetria attraverso modem PSTN interno</i>
<b>TELINK-C1</b>	Telemetry interface ANTLAN/BURK protocol <i>Interfaccia di telemetria protocollo ANTLAN/BURK</i>
<b>TELINK-SNMP2</b>	Telemetry interface RVR/SNMP 1 HE <i>Interfaccia di telemetria RVR/SNMP</i>

\* Please specify station name on order.

\* *Si prega di specificare il nome della stazione in fase di ordine d'acquisto.*



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