exciters/all-in-one transmitters

> **Easy maintenance exciter series**

> **All-in-One transmitter series**

> All-in-One high fidelity series

TEX1002LCD

TEX1002LCD front view

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:** 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 added to LD-MOSFET technology ensure high efficiency, better than 70% across the bandwidth.

> **EASE OF MAINTENANCE:** advanced module engineering ensures extreme of access and simple maintenance. Includes an high performance air filter. The power supply is plug-in type, easily removable.

> **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. TOSLINK, AES/EBU digital audio inputs are available as an option.

> **RDS APPLICATION:** built-in RDS encoder with UECP standard functions (option).

> **REMOTE CONTROL:** built-in telemetry system via GSM modem or via WEB/SNMP (option).

> **REGULATORY COMPLIANCE:** state-of-the-art technology in full compliance with EC, FCC and CCIR standards.

Caratteristiche

> **PRIMARY APPLICATION:** *alta qualità ad un prezzo estremamente contenuto, ideali come trasmettitori in applicazioni stand-alone con potenza di uscita regolabile dal 10 al 100%.*

> **HARDWARE FEATURES:** *compatti, indeformabili e leggeri perché realizzati in chassis di acciaio inox, in sole 2 unità rack.*

> **USER-FRIENDLY FEATURES:** *quattro tasti a pressione per l'interazione fra l'utente e l'apparato unita ad un software intuitivo e semplificato.*

> **RELIABILITY/CONTINUITY:** *elevata continuità di esercizio garantita in qualsiasi condizione di lavoro attraverso un controllo automatico APC ed una protezione di Foldback.*

> **AUDIO PERFORMANCE:** *bassi valori di distorsione, di intermodulazione e alto rapporto segnale rumore.*

> **OPERATING EFFICIENCY:** *per un risparmio di risorse energetiche e ambientali, utilizzano un alimentatore PFC (Power Factor Corrector) che sommato alla tecnologia LD-MOSFET garantisce rendimenti elevati, superiori al 70% su tutta la banda.*

> **EASE OF MAINTENANCE:** *estrema accessibilità e semplicità di manutenzione grazie ad una avanzata ingegnerizzazione modulare dell'apparato. Include un filtro d'aria ad alte prestazioni. L' alimentatore è di tipo plug-in, facilmente rimovibile.*

> **INTERFACE CONTROL:** *controllo completo basato su microprocessore e da menu 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. Ingressi TOSLINK, AES/EBU disponibili opzionalmente.*

> **RDS APPLICATION:** *encoder RDS integrato UECP standard (versione vendibile opzionalmente).*

> **REMOTE CONTROL:** *sistema di telemetria integrato via modem GSM o via WEB/SNMP (versione vendibile opzionalmente).*

> **REGULATORY COMPLIANCE:** *tecnologia moderna e pienamente rispondente alle normative EC, FCC ed CCIR.*

Oirt, JPN & China Band others on request

Technical specifications

Parameter		Value
GENERALS		
Frequency range		FCC - CCIR - OIRT - JPN – CHN
Rated output power		1000 W
Modulation type		Direct carrier frequency
Operational Mode		Mono, Stereo, Multiplex
Environmental working conditions		-10 °C to + 45 °C (R.S.L.) / 95% relative Humidity non condensing
Frequency programmability		From software, with 10 kHz steps
Frequency stability	WT from -10°C to 50°C	±1 ppm
Modulation capability		150 kHz Stereo, 180 kHz Mono/MPX
Pre-emphasis mode		0 µS, 50 µS (CCIR), 75 µS (FCC)
POWER REQUIREMENTS		
AC Power Input	AC Supply Voltage	230 VAC ±15%
	Active Power Consumption	1420 W
	Overall Efficiency	Typical 70 %
	Connector	VDE IEC Standard
MECHANICAL DIMENSIONS		
Phisical Dimensions	L x H x W	483 mm x 88 mm x 516 mm
Weight		about 11 kg
Cooling		Forced, with internal fan
Acoustic Noise		< 75 dBA
AUDIO INPUTS		
Left/Mono & Right		10 kOhm or 600Ohm (XLR F) Level:-13 to +13 dBu
MPX		10 kOhm or 50 Ohm (BNC) Level: -13 to +13 dBu @ 75 KHz FM
SCA/RDS		10 kOhm (2x BNC) Level: -8 to +13 dBu @ 75 KHz FM
AES/EBU (OPTIONAL)		110 Ohm (XLR F)
TOSLINK (OPTIONAL)		TOSLINK F05 - EIAJ
OUTPUTS		
RF Output		50 Ohm (7/8" EIA flange type)
RF Monitor		50 Ohm (BNC) approx. -60 dBc
Pilot output		>5 kOhm (BNC) approx.1Vpp
FUSES		
On Mains		2 External fuse F 10 A - 6x30 mm

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.

CE ⓘ 99/5/CE   **Revision: 08/14**

Ordering Information

Code -Codice	Description - Descrizione
Options for TEX-LCD – Opzioni per TEXLCD	
/AUDIGIN-TEX	AES/EBU audio input option for TEX LCD Series. *Opzione ingresso audio AES/EBU per famiglia TEX LCD.*
/CW	Morse-coded station ID code generated through FSK (Frequency Shift Keying) function. * *Codice identificativo della radio via codice Morse attraverso la funzione FSK(Frequency Shift Keying). **
/RDS-TEX2HE	Built-in RDS system with standard basic functions. *Sistema RDS integrato con funzioni base standard.*
/TLC-TEX2HE	Internal telemetry system without modem. *Sistema di telemetria interna senza modem.*
/TLM-TEX2HE	Telemetry system via internal GSM modem. Battery and battery charger included. *Sistema di telemetria attraverso modem GSM interno. Batteria e caricabatterie incluso.*
/TLW-E-TEX2HE	Basic telemetry system via the Internet. *Sistema di telemetria di base attraverso internet.*
/TLW-TEX2HE	Telemetry system via the Internet. Battery and battery charger included. *Sistema di telemetria attraverso internet. Batteria e caricabatterie incluse.*

* Please specify station name on order.
Si prega di specificare il nome della stazione in fase di ordine d'acquisto.

Via del Fonditore, 2/2c • Zona Industriale Roveri • 40138 Bologna • Italy
Phone: +39 051 6010506 • Fax: +39 051 6011104 • info@**RVR**.it • www.**RVR**.it

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