

R V R Elettronica TEX1000 LCD-PFC Exciters Transmitters Owner's Manual

Contents

1 exciters/transmitters

1.1 TEX1000 LCD/PFC TEX1300 LCD/PFC TEX2000 LCD

1.1.1 > easy maintenance series > compact with integrated exciters series > high fidelity series

1.1.1.1 Features

1.1.2 stereo/MPX FM exciters 87,5 – 108 MHz

1.1.2.1 Technical specifications

1.1.3 Ordering information

2 Documents / Resources

2.1 References

3 Related Posts

exciters/transmitters

TEX1000 LCD/PFC
TEX1300 LCD/PFC
TEX2000 LCD

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



TEX1000-LCD front view

Features

- **PRIMARY APPLICATION:** RVR TEX transmitters offer uncompromised transmission quality at a very attractive price. Ideal for use as drivers for mid-power stations or as transmitters in standalone applications. Adjustable power output from 0 Watt to maximum output power.
- **AUDIO PERFORMANCE:** key audio features are low distortion and intermodulation values and a high

noise/signal ratio.

- **HARDWARE FEATURES:** RVR TEX transmitters are compact and in deformable thanks to the stainless steel chassis, in 3 rack units only.
- **RELIABILITY/CONTINUITY:** dual, redundant power supply ensures limited-power operation in the event of a failure for maximum business continuity.
APC (Automatic Power Control) and Foldback protection ensure reliable operation under any operating conditions.
- **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.
- **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.
- **USER-FRIENDLY FEATURES:** pushbuttons for user/device interaction provide enhanced accessibility, resulting in extreme ease of use.
Configuration software offers a simple, intuitive interface.

stereo/MPX FM exciters 87,5 – 108 MHz

(Oirt and JPN Band upon request)



TEX1000-LCD rear view

Technical specifications

	TEX1000LCD	TEX1300LCD	TEX2000LCD
Parameters	Values	Values	Values
GENERALS			
Rated output power	1000W	1300W	2000W

Frequency range	FCC -CCIR and other on request		
Operational Mode	Mono, Stereo, Multiplex		
Modulation type	F3E		
Primary Power	230VAC ±15% or 115VAC		230VAC ±15%
AC Power Consumption	1690 VA / 1660 W / PF: 0,98	2108 VA / 2065W / PF: 0,98	3320 VA / 3300 W / PF:0,99
Overall efficiency	60%	63%	61%
Phisical Dimensions (W x H x D)	483 x 132 x 670 mm		
Weight	27 kg		32 kg
Environmental Working Condi tions	-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 suppres sion	<75 dBc (80 typical)		
Asynchronous AM S/N ratio	≥60 dB (typical 68)		
Synchronous AM S/N ratio	≥50 dB (typical 58)		
MONO OPERATION			
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		
MPX OPERATION			
Composite S/N FM Ratio	> 80 dB RMS (typical 83 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		
INTERNAL STEREO CODER OPERATION			
Stereo S/N FM Ratio	> 75 dB RMS (typical 77dB)		
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)
AUDIO INPUT CONNECTORS	
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
OTHER CONNECTORS	
RF Output	7/16" EIA flange type
RF Monitor	BNC (- 30dBr referred to RF output)
Pilot output	BNC (1Vpp)
Interlock Input	BNC
STANDARD COMPLIANCE	
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)

 99/5/CE Revision: 03/10

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.

Ordering information

Options for TEX-LCD	
Code	Description
/CW	Morse-coded station ID code generated through FSK (Frequency Shift Keying) function *
/CNT7/8-245	7/8" output RF connector
/CNT7/8-295	7/8" output RF connector **
TCPIPINT-TEX	Telemetry system via the Internet ***
/TLM-TEX3HE	Telemetry system via internal GSM modem. Battery and battery charger included
/TLC-TEX3HE	Internal telemetry system without modem
/MODGSM	Telemetry system via external GSM modem ***
/MODPSTN	Telemetry system via external PSTN modem ***
TELINK-C1	Telemetry interface ANTLAN/BURK protocol ***
TELINK-SNMP2	Telemetry interface RVR/SNMP 1 HE ***

* Please specify station name on order.

** Available for model TEX2000LCD.

*** Usable only in combination with /TLC-TEX3HE option.



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ISO 9001:2000 certified since 2000



Documents / Resources

The image shows the front cover of a technical manual. It features a photograph of the TEX1000 LCD-PFC Exciters Transmitter unit, which is a rack-mounted electronic device with multiple ports and a control panel. The text on the cover includes the product name and 'Owner's Manual'.	R V R Elettronica TEX1000 LCD-PFC Exciters Transmitters [pdf] Owner's Manual TEX1000 LCD-PFC Exciters Transmitters, TEX1000 LCD-PFC, Exciters Transmitters, Transmitters
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References

-  **[R.V.R. Elettronica - Broadcast Systems](#)**

