



## **TEX1000** *FEATURES*

1. Digital user interface to diagnostic and control all the parameters displayed (frequency, output power, measurement, etc...).
2. Adjustable power output from 0 to 1000 W with any VSWR conditions.
3. Power supply multi-voltage from 90 to 250 V directly without selector.
4. Low cost with high performance
5. Available with 2 SCA/RDS input connectors.
6. Built-in stereo coder with high performance.
7. Really small dimension (only 3HE)

# Technical Specifications

General	
RF output power	0 to 1000 W, adjustable
RF output connector	"N"-type
RF output impedance	50 Ohm
Frequency range	87.5 MHz ÷ 108 MHz
Frequency setting	Direct software programming
Frequency stability	±1ppm from -10°C to 50°C
Modulation type	Direct carrier modulation
Spurious and Harmonics suppression	Respects relevant FCC and CCIR standards (typical -75 dBc)
Modulation capability	Respects relevant FCC and CCIR standards (typical 240khz MPX/Mono, 210 KHz Stereo)
Asynchronous residual AM	< -70 dB wrt. 100% peak AM
Synchronous residual AM with 75 kHz deviation @ 400Hz	< -50 dB wrt. 100% peak AM,
C.A. power supply	≅ 90 V ÷ 250 V, full-range
Input	
Left, Right and Mono Input	Type: XLR female balanced or unbalanced
MPX input	Type: BNC, unbalanced
Input impedance	balanced input: 600 or 10 k Ohm selectable unbalanced input: 50 or 10 k Ohm selectable
Input level	-13 dBm ÷ +13 dBm, continuously adjustable
Preemphasys	Selectable: 0 50 us (CCIR) 75 us (FCC)
SCA/RDS input	3 BNC unbal (2 in the stereo version)
SCA/RDS input impedance	10 kOhm
SCA/RDS input level	-20 dBm ÷ +13 dBm for 2.0 kHz continuously adjustable
SCA/RDS amplitude/frequency response	± 0.2 dB, 40 kHz to 100 kHz
Output	
RF Out:	"N"-type, 50 Ohm
RF Test	BNC connector, -30 dB wrt. carrier level 50 Ohm
19 kHz pilot tone output	BNC connector, 1 Vpp minimum load 4.7 kOhm
MONO operation	
S/N	> 80dB wrt. 75 kHz, measured in the band 20 Hz ÷ 20 kHz, 50 us deemph., RMS detect
Amplitude frequency response	± 0.5 dB, 20Hz ÷ 15KHz
Total harmonic distortion (THD)	< 0.05%
MPX operation	
composite S/N	> 80dB wrt. 75 kHz, measured in the band 20 Hz ÷ 20 kHz, 50 us deemph., RMS detect
MPX amplitude frequency response	± 0.05 dB, 20 Hz ÷ 53 KHz ± 0.2 dB, 53 KHz ÷ 100 KHz
MPX Total harmonic distortion (THD)	< 0.02 %
Stereo separation	> 55 dB (typ. 60dB, with external stereo coder)
Stereo operation	
S/N FM Stereo	> 74 dB wrt. 75 kHz, measured on decoded channels, in the band 20 Hz ÷ 20 KHz, 50 us deemph, RMS detector
Risposta ampiezza/frequenza audio	± 0.5 dB, 20 Hz ÷ 15 KHz
Total harmonic distortion (THD)	≤ 0.05 %
Stereo separation	> 50 dB
Connections	
Interlock connector	BNC, inhibits RF power output when shorted
Serial interface	DB9 female RS232
Remote	DB15 female, give indications on the state of the device