



Rack 19"-20U: optional

**500W
OUTPUT POWER**

FM Solid State Stereo Transmitter **TXS500A**

TXS500A

Caratteristiche principali:



- Alta qualità sonora
- Elevato rapporto segnale/rumore a 85dB
- Elevata separazione stereo pari a 45dB
- Gestione completa della macchina tramite microprocessore
- Elevato rendimento con basso consumo di energia
- Completa ridondanza di funzionamento
- Visualizzazione di tutti i parametri di funzionamento sul display

Visualizzazione degli allarmi di massima potenza, SWR, temperatura, sbilanciamento, tensione di alimentazione

TXS500A

Main features:



- High sound quality
- High S/N ratio at 85dB
- High stereo separation equal to 45dB
- Completely managed by microprocessor
- High performances with low energy consumption
- Complete working redundancy
- All the working parameters are shown on the display
- Display of alarms for maximum power, SWR, temperature, unbalancing, power supply voltage

TXS500A

Características principales:



- Alta calidad sonora
- Alta relación S/N a 85dB
- Alta separación estereo igual a 45dB
- Gestión completa del equipo a través de microprocesador
- Alto rendimiento con bajo consumo de energía
- Completa redundancia de funcionamiento
- Visualización de los todos los parámetros de funcionamiento en el display

Visualización de las alarmas de máxima potencia, SWR, temperatura, desbalance y tensión de alimentación

TECHNICAL SPECIFICATIONS

RF SECTION

| | |
|-----------------------------------|--|
| Rated output power | 500W |
| RF Output connector | N Female |
| RF Output impedance | 50 |
| Frequency range | 87.6 - 107.9MHz |
| Frequency programmability | Step 10/100kHz from panel |
| Frequency stability | 2.5ppm (option 0.05ppm) |
| Spurious and harmonic suppression | Meets or exceeds all FCC and CCIR requirements |
| Modulation capability | Meets or exceeds all FCC and CCIR requirements |
| Asynchronous AM S/N ratio | 60dB or other |
| Synchronous AM S/N ratio | 50dB or other |

SOUND SECTION

● **MPX Operation**

| | |
|--------------------------------|-----------------------------|
| Audio input | 2Vpp, BNC connector |
| Frequency amplitude response | ± 0.1 dB, 30Hz - 100kHz |
| Harmonic distortion | < 0.15%, 30Hz - 100kHz |
| S/N Ratio with CCIR unweighted | 80dB |
| S/N Ratio with CCIR weighted | 78dB |
| S/N Ratio with RMS Detector | 86dB |

● **MONO Operation**

| | |
|--------------------------------|-----------------------|
| Audio input | 2Vpp, XLR connector |
| Frequency amplitude | 0.5dB, 30Hz - 15kHz |
| Harmonic distortion | < 0.15%, 30Hz - 15kHz |
| Pre-emphasis | Flat, 50 s, 75 s |
| S/N Ratio with CCIR unweighted | 80dB |
| S/N Ratio with CCIR weighted | 78dB |

● **Internal Coder**

| | |
|--------------------------------|----------------------------|
| Audio input | 2Vpp, XLR connector |
| Frequency amplitude | ± 0.5 dB, 30Hz - 15kHz |
| Harmonic distortion | < 0.15%, 30Hz - 15kHz |
| Pre-emphasis | Flat, 50 s, 75 s |
| Stereo separation | > 45dB (typ. 55dB) |
| S/N Ratio with CCIR unweighted | 74dB |
| S/N Ratio with CCIR weighted | 70dB |

● **SCA Operation**

| | |
|------------------------------|-----------------------------|
| Audio input | 2Vpp, BNC connector |
| Frequency amplitude response | ± 0.1 dB, 40Hz - 100kHz |

GENERAL

| | |
|----------------------|--------------------------------|
| AC Power requirement | 220Vac, $\pm 20\%$, 50/60Hz |
| Power consumption | 1000VA |
| Dimensions | Rack 19"-10U (Optional) |
| Ambient temperature | -5° to +45°C |
| Dimensions | 460x480x215mm (amplifier only) |
| Weight | 30kg |

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SRL

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