

2KW FM Transmitter

YXHT-FM2KW



Plug-in power supply



New High Reliability 2000W FM Broadcast Transmitter YXHT-FM2KW is a compact FM stereo broadcasting transmitters. The advanced digital technologies, Digital Signal Processor (DSP) and Digital Direct Synthesizer (DDS), are used in the transmitters to get little size, high performance and high reliability. They are widely used for professional radio stations to transmit high quality FM radio programs.

Features:

Compact structure

Hearing similar to CD

Built-in audio signal limiter

All-digital technologies DSP+DDS

Analog and digital (AES/EBU) audio signal input directly.

AGC circuit can keep the Output Power stability.

Big LCD display all the parameters in real time.

Communication Interface by RS232 for remote

Five kinds of protections for the security

Technical Specifications :

1. Frequency Range:87.0MHz~108.0MHz
2. Output Power:0~2000W
3. Output power deviation:<± 10%
4. Output power stability:<± 3%
5. Output Load Impedance:50Ω20. LR channel level difference:
<0.1dB (100% modulation)
6. RF Output Interface:7/16"(female) or 7/8"Flange
7. SFDR:< -70dBm
8. High Harmonic:< -65dBm
9. Residual Amplitude Modulation: < -50dB
10. Carrier Frequency Precision:±200Hz

11. Analog Audio Input:-12dBm~+8dBm
12. Audio Input Level Gain:-15dB~+15dB, step 0.1dB
13. Audio Input Impedance:600Ω, Balance, XLR
14. AES / EBU input impedance:110Ω, Balance, XLR
15. AES / EBU input level:0.2 ~ 10Vpp
16. AES / EBU sample rate:30kHz ~ 96kHz
17. SCA Input:Unbalance (optional) BNC connector
18. Pre-emphasis:0μS, 50μS, 75μS (optional)
19. Audio Response:±0.1dB (30Hz~15000Hz)
21. Stereo Separation:≥50dB30Hz ~ 15000Hz
22. Stereo S/N ratio:≥70dB 1KHz, 100% modulation
23. Distortion:< 0.1%30Hz~15000Hz
24. Cooling mode:Forced Convection
25. Temperature Range:-10°C~+45°C
26. Relative humidity:<95%
27. Working Altitude:<4500m
28. Power Consumption:3300VA
29. Size: 460mm*480mm*88mm
30. Weight:25KG