

1KW FM Transmitter

YXHT-FM1KW



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The transmitter implements digital FM modulator module as its core, combining with RF power amplifier. In the transmitter, DSP&DDS are used to execute all-digital processing, such as digital filtering, pre-emphasis, the generation of pilot frequency, stereo coding and FM modulating. A AGC circuit is used to keep the set power stable.

· High performance and very good reliability has been proved by the large usage of YXHT- FM1KW transmitters. Also it is low cost and small size.

Features:

- Hearing similar to CD
- All-digital technologies DSP+DDS
- Built-in audio signal limiter
- 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
- Compact structure
- Stainless steel cabinet

Technical Specifications :

- 1.Frequency Range:87.0MHz~108MHz
- 2.Frequency Setting step:10KHz
- 3.Carrier Frequency precision:±200Hz
- 4.Residual Wave Radiation:≥65dBc
- 5.Audio Input Impedance:600Ω,Balance
- 6.Separation:60dB
- 7.Audio Input Level:±10dBm,step 0.01dB
8. S/N:≥75dB(30Hz~15kHz,100%)
9. Audio Harmonic Distortion:<0.05%
- 10.Audio response: ±0.05dB(30Hz-15KHz)
- 11.Output Load Impedance:50Ω 12.Output Power:1000W
- 13.Pre-emphasis:0μS,50μS,75μS 14.Deviation:±75kHz
- 15.Pilot Frequency:19 kHz±1Hz
- 16.Sub-carrier Suppression:≥65dB
- 17.RF Output Connector:7/16(female)or7/8Flange
- 18.Size: 460mm*480mm*88mm
- 19.Weight:16KG
- 20.Pilot Signal Modulation:8%~10%