



PRODUCT INFORMATION SHEET

Component TR6000 AM Radio Transmitter for Unlicensed Broadcast Operations (FCC Part 15)

Part Number Model 15.73

Image



Front



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Description

- Made in the USA for unlicensed applications [per FCC Rules Part 15.221 Carrier current, cable and by educational institutions];
- For Emergency/Low Power Broadcast Operation under FCC Rules Part 73/1660. Certification: B7MTR-6000TIS-WB.
- 0-10-watt operation at 24 VDC, Class D, high efficiency output; internal components are rated to 3 times operating wattage, utilizing 2 output devices.
- IPC-610 certified.
- Manufactured in compliance with Class-3 wavesolder standards.
- Integral LED wattage and VU reference meters.
- Remote broadcast monitoring via output control relay.
- Remote transmitter control relay.
- Synthesized frequency selection,
- Defeat-able LED operation to save power.
- Internal monitor speaker with volume control driven by detector circuit to provide positive modulation indication.
- 24V DC, fully regulated power supply.
- Frequency range: 530 to 1710 kHz AM. Tunable to European 9kHz and other channel spacing formats.
- Frequency: factory-set (specify).
- Frequency stability +/-20 Hz.
- Continuously adjustable power and audio modulation controls, externally accessible on front panel.
- Tunable series filter on RF output.

All products described are subject to availability based on manufacturing capacity and shipping dates. While every effort has been made to ensure the accuracy of all information, ISS does not accept liability for any errors or omissions and reserves the right to change information as needed.

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- Audio distortion: less than 1.2%, 100 Hz to 5 kHz.
- Audio frequency response: +/- 3 dB 50 Hz-12,000 Hz;
- Noise level: 70 dB below 95% modulation level, 100 Hz to 5 kHz.
- Modulation: 99%, -40 dB to +20 dB.
- Temperature: -40 to +85 degrees Celsius.
- Humidity: 95% (non-condensing).
- External audio (balanced), up to 150 mV p-p; power and synchronization inputs.
- Relays for external control of power and to monitor audio.
- External PL-259 UHF style RF output.
- Spurious Emissions:
  - 10.2-20 KHz – greater than 25 dB below unmodulated carrier.
  - 20-30 KHz – greater than 35 dB below unmodulated carrier.
  - 30-60 KHz – greater than [5+1 dB/kHz] below unmodulated carrier.
  - 60 KHz + – greater than 65 dB below unmodulated carrier.
- Harmonic attenuation: greater than 51 dB below carrier.
- 1 rack unit.
- Slim-line design (1.75" height, 17" width, 9" depth) and 4pounds.
- Power supply: input 90-265 VAC; output 24 VDC.
- Mean time between failure - in excess of 60 years.
- Estimated product life = in excess of 30 years.

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