**MTR2000 Station/ Repeater SPECIFICATIONS**

**GENERAL SPECIFICATIONS**

- **Model Number:** T5544, T7371
- **Application:** System/Software Option
- **Power/Band Option:** Power Output
- **Receiver Band Option:** Power/Band Option
- **RF Power Output:** Receiver Band Option

**VHF INPUT POWER (VARIATES WITH OPTIONS)**

- **AC Line:** 117 Volts / 220 Volts
- **DC Only Operation:** 26 VDC (X121 Option)
- **Dimensions:** 5.25 x 19 x 16.5 in. (133 x 483 x 419 mm) 40 lbs (19 kg)
- **Frequency Stability (for temperature and Voltage Variation):** 1.5 PPM/External Ref
- **Intermodulation Attenuation:** 40 dB for 40W, 100W
- **Maximum Deviation (RSD):** 60% RSD
- **FM Hum and Noise:** –30ºC to +60ºC
- **Audio Sensitivity (for temperature and Voltage Variation):** –20 dBm

**UHF INPUT POWER (VARIATES WITH OPTIONS)**

- **AC Line:** 117 Volts / 220 Volts
- **DC Only Operation:** 26 VDC (X121 Option)
- **Dimensions:** 5.25 x 19 x 16.5 in. (133 x 483 x 419 mm) 40 lbs (19 kg)
- **Frequency Stability (for temperature and Voltage Variation):** 1.5 PPM/External Ref
- **Intermodulation Attenuation:** 40 dB for 40W, 100W
- **Maximum Deviation (RSD):** 60% RSD
- **FM Hum and Noise:** –30ºC to +60ºC
- **Audio Sensitivity (for temperature and Voltage Variation):** –20 dBm

**RECEIVER**

- **VHF**
  - **Frequency - Wideband:** 132-174 MHz
  - **Frequency - Wideband:** 403-470 MHz
  - **Spurious and Image Response:** 85 dB / 85 dB
  - **Audio Sensitivity:** –20 dBm

- **UHF**
  - **Frequency - Wideband:** 132-174 MHz
  - **Frequency - Wideband:** 403-470 MHz
  - **Spurious and Image Response:** 85 dB / 85 dB
  - **Audio Sensitivity:** –20 dBm

**FCC TYPE ACCEPTANCE (VHF)**

- **Frequency Range:** 132-174 MHz
- **Type:** Transmitter
- **Power Output:** 20 watts

**FCC TYPE ACCEPTANCE (UHF)**

- **Frequency Range:** 403-470 MHz
- **Type:** Transmitter
- **Power Output:** 20 watts

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MTR2000
VHF/UHF Station/Repeater/Receiver

MTR2000
Station/Repeater available in:
- Conventional:
  - Local Operation
  - Tone Remote Control
  - Spectra-TAC Voting
- Trunking:
  - SMARTNET and SmartZone
- Continuous Duty

MTR2000 100 Watt Station/Repeater
Enhanced Features in an Economical Package

FEATURES/BENEFITS

Provides Unmatched Flexibility in a Compact Design
- Analog operation in conventional systems
- Software based design allows for future system applications
- 100-25 Watt, 40-1 Watt, and 30-1 Watt variable power models (VHF)
- 100-25 Watt, 40-2 Watt, and 30-2 Watt variable power models (UHF)
- Compact dimensions, 3 Rack Units (5.25” or 13.3 cm), utilize expensive site space efficiently
- 12.5 or 25/30 kHz programmable channel spacing
- Standard EIA 19” rack mount configuration
- Lightweight (40 lbs./19 kg.)

Shortens Installation and Maintenance Time
- Programming and diagnostic testing performed through a personal computer
- Functionally separate modules: Field Replaceable Units (FRU)
- Software-based design simplifies upgrades
- Easy access to station ports

Contributes to Maximizing System Up Time
- Microprocessor based design with integrated DSP capability
- Switching power supply functions over a wide range of voltages and frequencies
- RSS diagnostics and metering
- Functionally separate modules: Field Replaceable Units (FRU)