

# TRX-48S RECEIVER

WMI

- Can be permanently mounted on 3-element directional antenna
- With noise blanking circuit to reduce unwanted interference
- 48 channels for tracking 48 animals (3 bands with 16 channels each)
- Lightweight 16 ounces; compact 6 3/4" x 3" x 1 1/2"
- Attenuator prevents swamping; assures accurate close-in tracking
- Choice of Power:
  - 8 Disposable AAA batteries last 13-15 tracking hours



OR

Rechargeable nicad batteries, recharge unit, DC cord with lighter plug-in

- Five year limited warranty on all parts and labor in electronics
- WMI's newest model in the TRX family of modern receivers

## Engineering Specifications:

|                               |  |
|-------------------------------|--|
| Noise Figure:                 | 2.0 dB typical   |
| Input Impedance:              | 50 ohms  |
| Frequency Range:              | 48 channels that are 10 KHz wide, continuously tuned, in 148 to 222 MHz frequency range      |
| Frequency Stability:          | +/- 2 KHz from -20 to +120 degrees F or better   |
| Image and Spurious Rejection: | 45 db or better  |
| Minimum Discernible Signal:   | -149 dBm (.008 microvolts) or better   |
| Circuit Design:               | Double conversion superheterodyne with 2 pole crystal 2.4 KHz @ 6 dB down, passband          |
| Manual Gain Range:            | 70 dB  |
| Tuning:                       | 10 KHz spaced channels, tuned by quartz-locked digital synthesizer. Fine tune VCXO +/- 5 KHz |
| Sweep:                        | N.A.   |
| Frequency Resetability:       | +/- 2 KHz or better  |
| Signal Metering:              | 0-1 scale, minimum signal to activate, -140 dBm, 20 dB dynamic range                         |
| Noise Blanking Circuit:       | Advanced circuit, eliminates most impulse noise  |
| Operating Voltage:            | 9-14 volts DC or internal optional disposable or nicad rechargeable battery pack             |



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