

20 TONE RECEIVER/DECODER

DATA SHEET & TECHNICAL SPECIFICATIONS



Features

- ▶ EIA 19" Standard Rackmount
- ▶ 20 Tones
- ▶ IRIG 313-01 Compliant
- ▶ Signal Strength Display Meter
- ▶ Variable Carrier Frequency
- ▶ Local and Remote Control

Applications

- ▶ Range Safety
- ▶ Test

The Model TRD-20 Tone Receiver/Decoder (TRD) is a rack mount RF receiver that will display the presence of any of the 20 individual tones or combination command tones.

The unit was designed to conform with the requirements set forth in the IRIG Standard 313-01 of the Range Commanders Council (RCC) and to detect and display up to 6 tones simultaneously.

The rear panel connections include RF IN, Signal Strength, and Decoded Channel outputs of the 20 tone detector circuits.

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Specifications

- ▶ Size: 3.50" H x 18.75" D (Standard EIA 19" Rack Mount)
- ▶ Power Input: Universal Input: 115 VAC to 230 VAC, 50 to 60 Hz
- ▶ Carrier Detect: Front Panel LED display and discrete output on rear panel
- ▶ Channel Deviation Threshold: ± 10 to ± 15 kHz
- ▶ Channel Bandwidth: $\pm 1\%$ Minimum @ 2 dB Bandwidth
 $\pm 4\%$ Maximum @ 14 dB Bandwidth
- ▶ RF Input: 406 MHz to 450 MHz, 50 ohm BNC female connector
- ▶ RF Sensitivity: - 100 dBm
- ▶ Decoded Channel Output: DB-37 Female output connector driven by an Open Collector, DC output module
- ▶ Remote Control: RS-232 (other options available)
- ▶ Signal Strength: Voltage ranges from 0 VDC to 5 VDC

Options

- ▶ Portable
- ▶ IF Input
- ▶ Audio Input
- ▶ Compact hard case for portable use
- ▶ Local/Remote: RS-232, GPIB, or 10Base100 Ethernet
- ▶ Decoded Channel Output – TTL Logic or Contact Closures
- ▶ Customizable to fit your needs

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