



Product Sheet

20 Tone Receiver/Decoder

20 TONE RECEIVER/ DECODER

The TRD-20 Tone Receiver/Decoder (TRD) is a rack mount radio frequency (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 RCC (Range Commanders Council) and to detect and display up to six tones simultaneously.

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

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

Specifications

Size:	3.50" H x 19" W 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



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