TR70RM

Rack-Mount Telemetry Receiver

- 1710-1850 and 2185-2485 MHz
- Dual Band Receiver
- Telemetry Applications
- Customer Specified IF Bandwidth
- 12 VDC Operation

The TR70RM series of telemetry receiver products are stand-alone, multi-channel, multi-band systems designed for use with fixed antennas.

Rack-mount construction, minimum size and light weight make these receivers ideally suited for airborne or ground-based applications, and where operation in harsh conditions is required.

Receivers may be ordered in frequency bands covering 1710-1850 and 2185-2485 MHz, spaced in 0.1 MHz increments.

The Series TR70RM telemetry receiver comes with SEMCO's 2-year warranty on parts

Systems Engineering & Management Co.
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Technology & Innovation For A Safer World

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TR70RM SPECIFICATIONS

Receiver (Telemetry)

Power Input	12 VDC
Current	1.50 A typical
Frequency	1710-1850 MHz and 2185-2485 MHz
Spurious Emission	Per IRIG 106-11

ELECTRICAL SPECIFICATIONS

Frequency Range	1710-1850 MHz or 2185-2485 MHz (standard)
Frequency Selection	Multi-channel
Image Rejection	>60 dB
Spurious Response Rejection	>60 dB
Noise Figure	6 dB nominal
Maximum RF Input	+10 dBm
RF Input Impedance	50 ohms
Output Impedance	75 ohms

DEMODULATION SECTION

Type	FM
output Level	2V p-p @ Customer Specified Deviation
Frequency Stability	.005%
Carrier Deviation	Customer specified in kHz peak
Linearity	+2% BSL
Incidental AM	2% maximum
Incidental FM	+5 kHz maximum

ENVIRONMENTAL SPECIFICATIONS

Temperature	-20 to +70 degrees C Baseplate (standard)
Humidity	95% non-condensing
EMI-RFI	Per IRIG 106-93

POWER REQUIREMENTS

Input Voltage	+12 VDC
Input Current	350 mA typical

CONNECTORS

Modulation Input	BNC
Data, Power Input	Micro D
RF Input	TNC

MECHANICAL

Size	10.0 x 19.0 x 1.75 in.
Weight	4.5 lbs.

Specifications subject to change without notice.

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