



DESCRIPTION

The RDS-1 is a fully-featured RDS/RBDS monitor and decoder that incorporates both the RBDS standard in the U.S. and the RDS standard in Europe and other countries. The RDS-1 is essential to monitor critical RDS parameters, such as RDS injection and the phase relationship between the RDS subcarrier and the stereo pilot. The RDS-1 decodes all the major group types and provides the data in fully decoded and hexadecimal formats. An RS-232 interface and a Wizard interface are built in to the RDS-1, for easy remote communication and full-screen displays.

PARAMETERS MEASURED:

- Total Modulation
- RDS Injection
- RDS Phase Error
- Pilot Injection
- Block Error Rate
- Basic RDS Data, including PI, PS, PTY, TP, TA, M/S, DI, AF, ECC, PIN, Radio Text A&B, Location (State, City, Grid), Time, Date, and Group Types being transmitted.
- Transparent Data Channels (0-31)
- In-House Data Channels (0-31)

- Paging Information, including MMBS Detection, Network Group, Paging Interval, and Radio Paging Data (Group Code, BCD pager ID, type of page, and text of page).
- Group Data (Hexidecimal and ASCII for all groups).

SPECIFICATIONS:

Input Level 2.8V- 5.7V P-P composite
Input Impedance 100 k Ω unbalanced,
BNC connector

Outputs:

RDS Data, RDS Clock,
Regenerated 57 kHz, Regenerated 19 kHz.
Pilot, Subcarrier BNC Connectors

Remote Alarm/Status Outputs:

Three programmable relay assignments allow remote indication of a variety of user-selectable parameters, such as RDS Sync, PTY30 and PTY31, etc.

Communications Ports:

Wizard Interface In,
Wizard Interface Out . . . 15 pin D connector
RS-232 9-pin D connector

Dimensions 1.75"H x12.5"D x 19"W
(1 EIA Rack Unit)

Power 7 watts, 100-240VAC, 50-60 Hz

Specifications are subject to change without prior notice.



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Manufactured in the U.S.A.