



DOMINION TEST INSTRUMENTS

Model RCM-1000BAS

COFDM Carrier Monitor



Technical Specifications

- > Frequency Coverage: 1-1000 MHz
- > Frequency Display: Variable, Contact your Controller Manufacturer.
- > Span: 0 - 200 MHz
- > Resolution Bandwidth: 100 kHz, 3 MHz
- > RF Sensitivity: Greater than -85 dBm Typical
- > Reference Levels: Selectable -10 dBm, -30 dBm, -50 dBm
- > Scale: 5 dB/Div
- > Amplitude Accuracy: +/- 2 dB typical
- > Dynamic Range: 40 dB on Application Window
- > Input Connector: BNC, 50 Ohm
- > Size: 1 Standard EIA Rack Unit 19"W x 1.75"H x 16"D
- > Power Requirements: 85 – 265 VAC 50/60 Hz
- > Display: Your choice of Remote Control Manufacturer

Note: Specifications are based on Dominion Test Instruments control system and graphical user interface and may vary depending on the control system used. Please contact DTI for specifications based on the selected platform.

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Developed for the 2 GHz BAS Relocation Program

The RCM-1000BAS product has been specifically designed to make your next ENG shot a success and help eliminate the guess work. With the new COFDM technology there are several hurdles that can make the difference between making an ENG shot or missing one. With the RCM-1000BAS the ENG technician can optimize the antenna's signal gain, make certain the signal is not being overdriven and monitor for adjacent carriers that may cause distortion.

The RS232 serial interface has been designed to work directly with the controllers of many of the industry standard control systems. By designing the product to interface with the industry's best control systems you can guarantee that your system will have no compatibility problems and that the Graphical User Interface (GUI) will be a user friendly design.

Features & Benefits

Wide Band Design

- By making the RCM-1000BAS a wide band device the product becomes flexible to monitor any IF frequency from 1 MHz to 1 GHz.

Rack Mount Design

- The RCM-1000BAS is housed in a small 1RU rack mount chassis to allow for mounting in a rack without occupying valuable rack space.

Variable Reference Levels

- The RCM-1000BAS will allow the user to select different reference levels from -10 to -50 dBm to allow viewing of strong or weak signals.

Center Frequency Tuning

- The GUI will allow for manual or automatic center frequency tuning making it easier for the ENG Technician to tune to the proper center frequency quickly.

Variable Span

- The RCM-1000BAS has controls for variable span from 0 – 200 MHz.