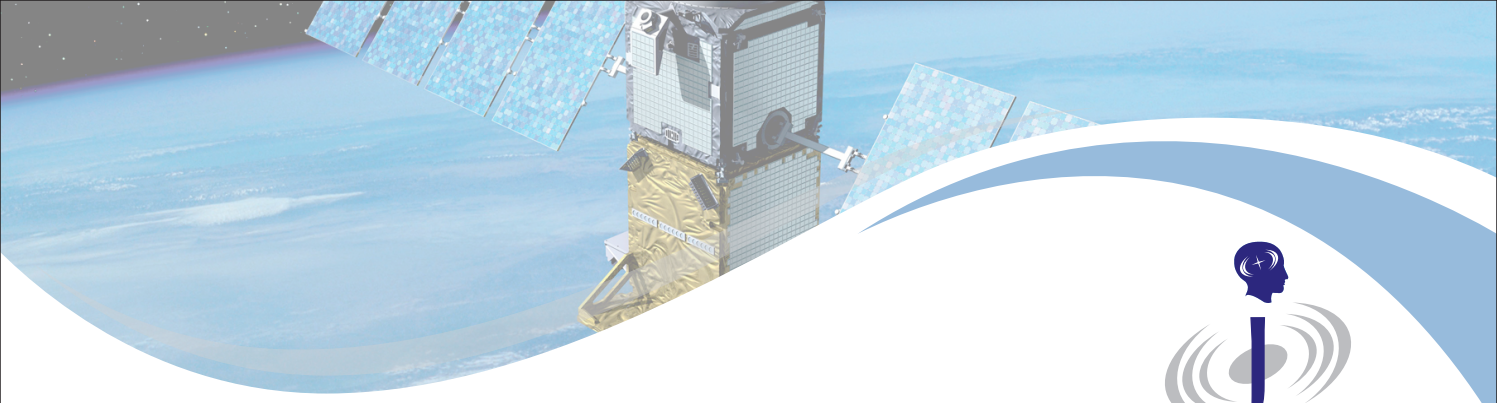

Jisnu

QPSK SIMULATOR

Model No: JC-SC-SM-25

The Multifunction Simulator with BER is designed to meet the Multimission Data Reception requirements of the Satellite Ground Stations. The Multifunction Simulator with BER is used to generate QPSK Modulated IF signal as its output and also to test the BER of the received data for data rates upto 160 Mbps (I or Q). The Simulator employs latest digital circuitry for different data rate generation to suit different mission data requirements upto 320 Mbps. This dual channel unit has all the necessary circuitry for generation of data rates from 10Mbps to 320Mbps internally and through external TPG.

Features

- IF configurable according to data rates
- Programmable for 4 different missions
- Safety software limits for avoiding damage to the antenna pedestal.
- Reliability and Maintainability in critical applications.

Technical

Carrier Frequency	: 720MHz (IF Configurable Depending on Data Rates)
Type of Modulation	: QPSK
Data Rate	: 10 to 320 Mbps unable with 100 Hz Step
Code Length	: 2 15-2 & 2 23-1 (selectable)
Input Source	: 1. External TPG: Serial Data & Clock or Parallel Data 2. Internal PRBS
Input Data	: ECL single ended / LVDS
Input Data Format	: Selectable from NRZ-L (ECL un-terminated & LVDS)
Encoding	: Algorithms for 4 Different Missions
Outputs	: 2 independent Channels
Output Level	: +7dBm to -23 dBm for each channel
BER Reader	: Built-in Facility
BER Inputs	: Data & Clock ECU Un-terminated
input/ Output Connectors	: BNC (F)
Remote interface	: Ethernet
Remote Control & Monitoring	: Remote programming through TCP/IP

Physical & Environmental

Power	: 230 VAC, 50 Hz, Single Phase
Temperature - Operational	: 0 to + 50 deg C
Temperature - Storage	: -10 to +60 deg C

Contact Us

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For More Info
Scan Here

Mission with a vision for self reliance