

Beacon Tracking Receiver

Model No: JC-SC-BTR31



Land



Air



Marine

Jisnu's Beacon Tracking Receiver is a Digital system tunable at 10 KHz frequency steps which receives L-band signal and provides a linear DC Voltage proportional to the signal strength. The system has an inbuilt down converter module designed with double conversion from L-band to 70 MHz IF. All control and status monitoring functions and utilities are made available through Ethernet interface for remote operations. System is useful for Antenna tracking and can be integrated to uplink power controller used in VSAT application.

Applications

- Receive Signal strength monitoring for VSAT tracking

Features

- Covers complete L band frequency range (950 MHz to 2150 MHz)
- Step size of 10 kHz
- Built-in Down converter
- Ethernet for remote application
- Optional other frequency Bands



Technical Specifications

Functional	
Input Frequency	950 to 2150 MHz
Input Level	-90 to -30 dBm
Frequency Step	10 KHz
Frequency Stability	+ 10 PPM over temperature
Analog Output Voltage	0 to +10V DC
Tracking Slope	0.5 V/dB
Tracking Linearity	± 0.5 dB over Dynamic Range
Lock Range	± 25 KHz
Indication	Carrier Lock LED
Input Connector	N (F)
Input Impedance	50 Ohms
Output Connector	BNC(F)
Output Impedance	50 ohms
Monitor & Control	Display & Keypad
Remote Interface	SNMP over Ethernet
Electrical	
Power	230V AC single phase
Mechanical	
Mounting	19-inch Rack mountable
Dimensions	485mm L X 460mm D X 44mm H
Weight	< 5 Kg's
Environmental	
Operating Temp	0°C to +50°C
Storage Temp	-10°C to +60° C
Humidity	Upto 90% RH Non-Condensing

