

# L-BAND BEACON TRACKING RECEIVER

## MODEL No. SSP/LBTR/0406



The L-band beacon tracking receiver receives the beacon signal from the satellite, detects the beacon signal level variations and outputs the detected DC variation from 0 Volts to 10 Volts corresponding to the input level variation of 20dB.

Various parameters like Frequency, level adjust, lock status etc., are either locally controlled/monitored from the front panel or remotely controlled/monitored through RS232/422 protocols (Optionally through TCP/IP protocol).

The unit is housed in 1RU 19" rack mountable chassis and powered by 230VAC supply.

### Technical Specifications of L Band Beacon Tracking Receiver

InputFrequency	: 950 - 2150MHz
InputLevel	: - 60 dBm to - 100 dBm
FrequencyTuning	: 10 KHzSteps
FrequencyAdjust	: Front panel or remotely
FrequencyReference	: 10 MHz (Internal)
Pre-detectionBandwidth	: 50KHz
Phase Noise	: - 80 dBc/Hz @ 1 KHz from carrier
InputImpedance	: 50 Ohm
InputConnector	: N-type female
OutputImpedance	: 100 Ohm, single ended
OutputConnector	: DB9 and BNC Female
Alarm	: Unit lock
M& C	: RS 232 and TCP/IP/SNMP
M&C Connector	: DB-9, Female
Ethernet Interface	: RJ - 45 Jack

### PHYSICAL CHARACTERISTICS

Size	: 1.75" H X 18" D X 19" W (1 Ru)
Weight	: 8 lb. (3.63 kg)
Primary Power	: 90-264 VAC 47- 63Hz, 1.4A
Operating Temperature	: 0°C to +50°C
Storage temperature	: - 40°C to +70°C
Humidity	: 95% RH