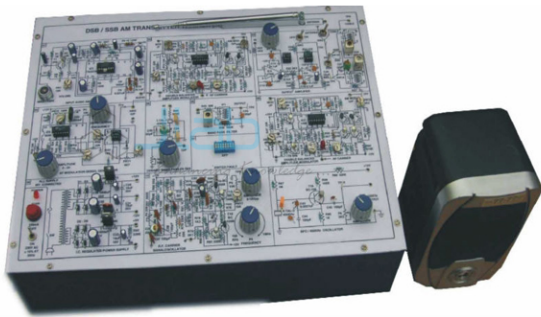


**Product Code . JL-CT-1511**

## DSB and SSB AM Receiver Trainer



### Description

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#### DSB And SSB AM Receiver Trainer

##### Object:-

Study of DSB & SSB AM reception & detection by diode / product detectors

Study of AGC

Study of receiver tuned circuits

Study of Sensitivity, Selectivity & Fidelity of Receiver

##### Experiments:

Study of double sideband AM reception using envelope detector via cable.

Study of double sideband AM reception using envelope detector via Antenna.

Study of sensitivity, selectivity, of a radio receiver.

Study of single sideband AM reception using product detector.

Study of Image frequencies.

Voice transmission with DSB AM transmission / reception.

##### Feature:

**The board consists of the following built-in parts:**

POWER SUPPLY :  $\pm 12$ DC and +5V DC IC Regulated power supply

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**Detectors/Demodulator:**

Diode Detector (For DSB)

Product Detector (For SSB)

Frequency Range : 980KHz to 1650 KHz

Intermediate frequency : 455 KHz

**Input Circuits:**

RF Amplifier

Mixer

1st Amplifier

2nd Amplifier

Local oscillator

Envelope Detector (AGC)

Switch Fault

Product Detector

IC Regulated Power Supply

Beat frequency oscillator / 455 KHz Crystal oscillator

Output Audio Amplifier

Receiving media : Telescopic Antenna / cable

Tuning : with variable capacitor

Switched faults : 8Nos

Test points : 50

Power supply requirement : 230V AC, 50 Hz

Mains ON/OFF switch, fuse and LED

Audio Output amplifier with Volume Control

Loud Speaker with baffle fitted in a box with two metre wire and 2mm Banana pins for connections

Adequate no. of patch cords stackable from rear both ends 2mm spring loaded plug length ½ metre

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Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms

Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design Procedures, Report Suggestions and Book References

**Other Apparatus Required:**

Cathode Ray Oscilloscope 20MHz.

**Receiver Trainer Manufacturer India, Receiver Trainer Exporters, Electronics Receiver Trainer, Buy Receiver Trainer Online India, Receiver Trainer Communication Trainer, Lab Exporters India, Electronics Equipments For School Lab, Electrical Training Equipment Exporters and Educational Equipments, Electrical Training Equipment Suppliers, Electronics Instruments and Equipments Manufacturer.**

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