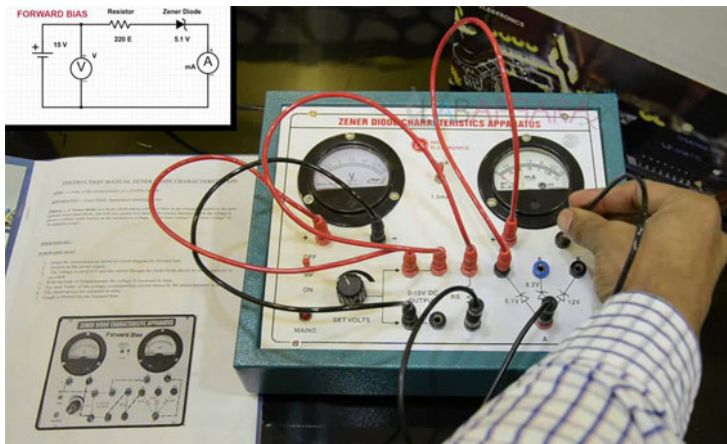


DSB/SSB AM Transmitter



Product Categories: [Advance Communication Lab](#), [Engineering Equipment](#)

Product Page: <https://www.labappara.com/product/dsb-ssb-am-transmitter/>

Product Description

DSB/SSB AM Transmitter

Audio Oscillator (Sine Wave Generator) with variable freq. & amp. :

Frequency range : 300 Hz to 3.4KHz (100 Hz to 10KHz OPTIONAL)

SALIENT FEATURES

On board variable frequency audio oscillator, carrier frequency generator, DSB& SSB modulator, Band pass filter, Audio & RF amplifiers

On board variable frequency audio oscillator, carrier frequency generator, DSB& SSB modulator, Band pass filter, Audio & RF amplifiers

Onboard Test Points & Fault Switches

On board audio jacks provided for Microphone and Earphone connection

Onboard speaker provided for Audio

Onboard Transmitting antenna

TECHNICAL SPECIFICATIONS

Receiver Principle : Superheterodyne

Frequency range: 525KHz to 1625 KHz

Optional Frequency : 400KHz to 1.5 M

Intermediate Frequency : 455 KHz

Inputs: RF Signal

Output : IF frequency 455 KHz adjustable

RF Amplifier with variable gain

Mixer(Frequency converter) : I/P : Local Oscillator & RF O/P frequency: 455 KHz
adjust.

Local Oscillator : Output signal : Sine wave for local Osc. Input. Frequency: From
900KHz to

2.2 MHz gang tuned, Amplitude: Adjustable from 0 – 2 V p-p, Output Impedance: 50
Ohms

Ist IF & IInd IF Amplifier: Central frequency: 455 KHz, Load Impedance: Variable
R-L-C

Gain : Automatic Gain Control, Gain 1-43 dB & Gain 2-47dB

Diode Envelope Detector: Detection of the positive and negative envelope with
variable R-C filter DSB

Product Detector :Operating frequency: Adjustable from 400KHz to 500KHz

SSB Input Amplitude : 1 Volt p-p

Audio Output :Amplifier with Headphone, Audio Amplifier Gain: 20 dB

Fault Switches : 8 nos. through 8 way DIP switch for troubleshooting at different
blocks

Test Points : More than 30

Receiving Media :MV Coil antenna & via cable

Cabinet : Enclosed in ABS plastic cabinet with detachable cover

Power : 220V AC $\pm 10\%$, 50/60Hz

Accessories : Patch Cords, User's manual