



# DSB-SC AMPLITUDE MODULATION/ DEMODULATION TRAINER

MODEL - COM102N

This trainer has been designed with a view to provide practical and experimental knowledge of Amplitude Modulation /Demodulation technique on a SINGLE P.C.B of size 12 "x 9".



## SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz.
2. Built in IC based power supply.
3. On Board AF Modulating signal generator - Sine wave  
Frequency Range : 1KHz to 10 KHz  
Amplitude : 0 to 3 Vpp.
4. On Board RF carrier signal generator.  
Frequency Range : 400KHz to 500KHz.  
Amplitude : 0 to 10 Vpp.
5. Modulator Type : Balanced modulator using IC1496
6. Demodulator Type : Product detector using Ic1496 with Low pass filter
7. All parts are soldered on single PCB of size 12" x 9"with complete circuit diagram screen-printed.
8. Standard Accessories :
  1. A Training Manual.
  2. Connecting Patch cords.

## EXPERIMENTS

1. To generate DSB-SC AM signal with the help of Balanced Modulator IC1496/1596
2. To demodulate DSB-SC signal using Product detector.

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