



# BALANCED AMPLITUDE MODULATION USING TRANSISTOR MODEL - COM101T-1

This trainer has been designed with a view to provide practical and experimental knowledge of Transistor based-balanced modulator technique on a SINGLE PCB.



## 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  
Amplitude : 0 to 5 Vpp.
4. On Board RF carrier signal generator.  
Frequency Range : 200 KHz to 1 MHz.  
Amplitude : 0 to 10 Vpp.
5. Modulator Type : Balanced modulator.
6. Demodulator Type : product Detector
7. Standard Accessories : 1. A Training Manual.

## EXPERIMENTS

1. To generate Transistor Based Balanced AM signal.
2. To measure modulation index of AM signal.

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

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