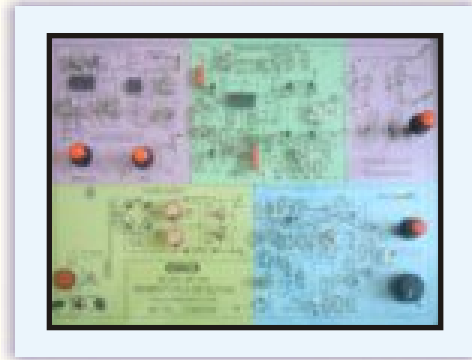




# BALANCED AMPLITUDE MODULATION/ DEMODULATION TRAINER

MODEL - COM101BL

This trainer has been designed with a view to provide practical and experimental knowledge of Balanced Amplitude Modulation /Demodulation 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  
Frequency Range : 1KHz  
Amplitude : 0 to 2Vp-p.
4. On Board RF carrier signal generator.  
Frequency Range : 455KHz  
Amplitude : 0 to 2.5Vp-p.
5. Modulator Type : Balanced modulator.
6. Demodulator Type : Envelope Detector (Diode detector).
7. Standard Accessories : 1. A Training Manual

## EXPERIMENTS

1. To generate AM signal using Double Balanced Modulator.
2. To measure modulation index of AM signal.
3. To demodulate AM signal using Diode detector (Envelope detector).

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

**Sigma Trainers and Kits**  
E-113, Jai Ambe Nagar,  
Near Udgam School,  
Thaltej,  
AHMEDABAD - 380054.  
INDIA.

**Phone(O): +91-79-26852427/ 26850829**  
**Phone(F): +91-79-26767512/ 26767648**  
**Fax : +91-79-26840290/ 26840290**  
**Mobile : +91-9824001168**  
**Email : sales@sigmatrainers.com**  
**: sigmatrainers@sify.com**  
**Web : www.sigmatrainers.com**

**Dealer:-**