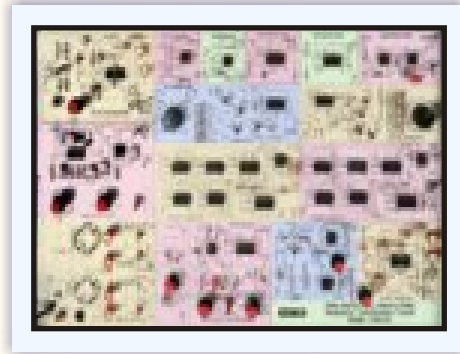




# DELTA & ADAPTIVE DELTA MODULATION / DEMODULATION TRAINER

MODEL- COM111-113

This trainer has been designed with a view to provide practical and experimental knowledge of Delta and Adaptive Delta Modulation /Demodulation.



## 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 : 300 Hz to 3.4 KHz  
Amplitude : 0 to 5 Vpp.
4. On Board Sampling Pulse signal generator.  
Frequency Range : 50 KHz to 500KHz.
5. Step size : 5 mV to 35 mV-switch selectable.
6. Modulator Sections : Comparator, S/H and Integrator, Adaptive Control
7. Demodulator Sections : Integrator, Adaptive Control,  
Low Pass Filter - Cut off fre. - 3.4 KHz.
8. All parts are soldered on single pin TAGS on single PCB with complete circuit diagram Screen-printed.
9. Standard Accessories : 1. A Training Manual.  
2. Connecting Patch cords.

## EXPERIMENTS

1. To generate DM signal by modulating with Audio signal generator
2. To demodulate DM signal using integrator and Low pass filter
3. To generate ADM signal by modulating with Audio signal generator
4. To demodulate ADM signal using integrator and low pass filter.

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:-**