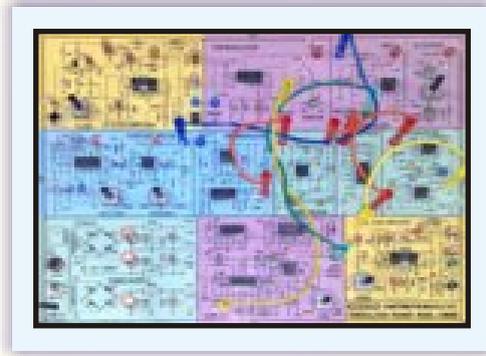




# PAM/PWM/PPM MODULATION/ DEMODULATION SYSTEM TRAINER

MODEL-COM208

This trainer has been designed with a view to provide practical & experimental knowledge of Pulse Amplitude/Width/position Modulation/Demodulation on a single PCB.



## SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz.
2. Built in IC based power supply : +15V, -15V, +5V.
3. On Board AF Modulating signal generator - Sine wave  
Frequency Range : 300 Hz to 3.4 KHz  
Amplitude : 0 to 2 Vpp.
4. On Board Sampling Pulse signal generator.  
Frequency Range : 2 KHz to 40 KHz.
5. On Board variable DC power supply to see the effect of DC on the output waveform : 0 to + 5 VDC
6. On Board Input Audio amplifier with Volume control for modulating external signal from Mike.
7. On Board Output Audio amplifier with speaker & Volume Control.
8. Types of Modulation processes : PAM, PWM, PPM.
9. Demodulator Sections : Comparator, Low Pass Filter-2nd order- 3.4KHz
10. Standard Accessories : 1. Experimental and Circuit Description Manual.  
2. Connecting Patch cords.

## EXPERIMENTS

1. To study theory of PAM/PWM/PPM Modulation & Demodulation.
2. To generate and demodulate PAM signal
3. To generate and demodulate PWM signal
4. To generate and demodulate PPM signal
5. To execute Voice communication using PAM

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:-**