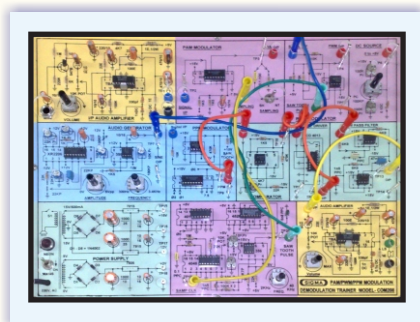




# PULSE AMPLITUDE/WIDTH & POSITION MODULATION/DEMODULATION TRAINER

**MODEL-COM208S**

This trainer has been designed with a view to provide practical & experimental knowledge of Pulse Amplitude/Width/position Modulation/Demodulation technique as practically implemented in Digital Communication systems on a SINGLE P.C.B.



## SPECIFICATIONS

- |                                          |   |                                                                                            |
|------------------------------------------|---|--------------------------------------------------------------------------------------------|
| 1. Pulse Modulation Techniques           | : | 1. Pulse Amplitude Modulation<br>2. Pulse Width Modulation<br>3. Pulse Position Modulation |
| 2. On-board sampling frequencies (Pulse) | : | 8kHz, 16kHz, 32kHz, 64kHz                                                                  |
| 3. On-board Generator                    | : |                                                                                            |
| 1. Sine wave                             | : | 1kHz & 2kHz (Gain adjustable)                                                              |
| 2. Square wave                           | : | 1 kHz & 2kHz                                                                               |
| 4. Low Pass Filter                       | : | 4th order BW Filter                                                                        |
| 5. Voice Communication                   | : | Voice Link using dynamic mike & speaker                                                    |
| 6. AC Amplifier                          | : | With adjustable Gain control                                                               |
| 7. Switched faults                       | : | 8 nos.                                                                                     |
| 8. Interconnections                      | : | 4mm Banana sockets                                                                         |
| 9. Test points                           | : | More than 20                                                                               |
| 10. Power                                | : | 220V $\pm$ 10%, 50/60 Hz, 3VA(approx.)                                                     |
| 11. Accessories                          | : | Manual, set of patch cord, Line cord, Microphone, Headphone.                               |

## EXPERIMENTS

1. PAM using Natural & Flat Top sampling
2. Sample, Sample & Hold & Flat-top outputs in PAM
3. PPM using DC & AS (sine wave) modulating signals
4. Pulse position Demodulation
5. Pulse width Modulation & Demodulation

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:-