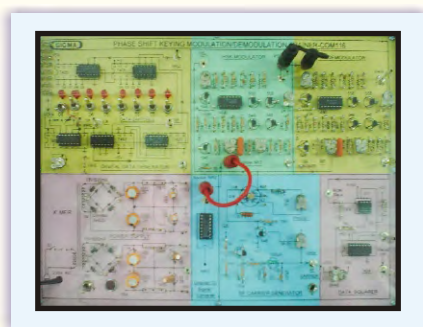




# PHASE SHIFT KEYING MODULATION/ DEMODULATION TRAINER

MODEL - COM116M

This trainer has been designed with a view to provide practical / experimental knowledge of PSK Modulation/Demodulation technique as practically implemented in Digital Communication systems on a SINGLE PCB.



## SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz.
2. Built in IC based power supply.
3. On Board Modulating Digital Data signal generator to generate any binary input word with Bit clock & Word clock.  
Word Length : 8 Bits.  
Word Clock Frequency : 8 KHz to 12 KHz.  
Data Format : NRZ & Bipolar NRZ
4. Modulator Type : Balanced Modulator as Phase Modulator.
5. Demodulator Type : Balanced Modulator as Phase detector. Bit clock recovery section.
6. All parts are soldered on single PCB with complete circuit diagram Screen-printed.
7. Standard Accessories : 1. A Training Manual  
2. Connecting Patch cords.

## EXPERIMENTS

1. To study theory of PSK Modulation & Demodulation.
2. To generate PSK signal
3. To demodulate PSK signal using balanced modulators.
4. To observe PSK modulated output by for different input binary codes.
5. To observe PSK modulated output by varying the bit clock frequency.

**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:-**