



# BINARY PHASE SHIFT KEYING MODULATION/ DEMODULATION TRAINER

## MODEL - BPSK100L

This trainer has been designed with a view to provide practical / experimental knowledge of BPSK. 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.  
Data Format : 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 BPSK Modulation & Demodulation.
2. To generate BPSK signal
3. To demodulate BPSK signal using balanced modulators.

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

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