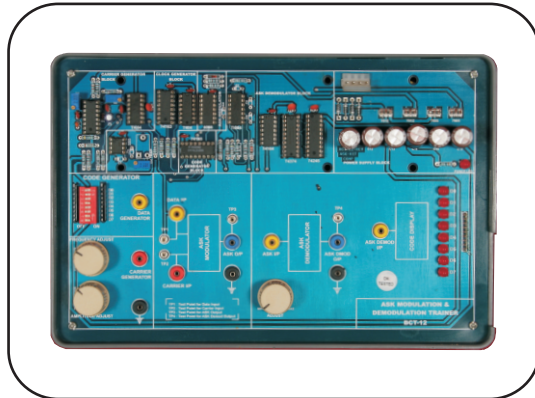


BCT - 12

ASK MODULATION & DEMODULATION KIT



Features

- **Code Generator**
 - Selectable Data Generator using 555 & 74165.
 - Programmable Cyclic 8-bit Word Generator
 - Eight way DIP switch provided to create 8-bit word.

Carrier Generator

- Provides Sine waveform output using IC 8038.
- Frequency variable maximum up to 30 KHz.
- Amplitude variable up to Maximum 5V p-p.

● **On-board Block features**

- ASK-modulator circuit using IC 4066.
- ASK-Demodulator using IC TI084.
- Block Description Screen printed on glassy epoxy PCB.

● **Code Display**

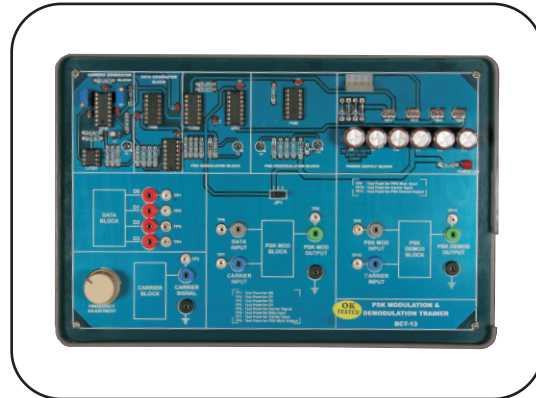
- Eight LED display to verify the input data

● **Interconnections**

- All interconnections are made using 2mm banana Patch cords.
- Test points are provided to analyze signals at various points.
- All ICs are mounted on IC Sockets.
- Bare board Tested Glass Epoxy SMOBC PCB is used.
- In-Built Power Supply of $\pm 5V/150mA$, $\pm 12V/250mA$ with Power ON indication.
- Attractive Housed in ABS Plastic enclosures.
- Set of 2mm Patch cords for interconnections.
- User's Manual with sample experimental programs.

BCT - 13

PSK MODULATION & DEMODULATION KIT



Features

● **Carrier Generator**

- Provides Sine waveform output using IC 2206.
- Frequency variable from 10KHz. - 20 KHz.
- Amplitude variable up to Maximum 5V p-p.

● **On-board Block features**

- Four Nos. of Data Clock using IC 7490.
- PSK-modulator circuit using IC 4051 and IC TI084.
- PSK-Demodulator using IC 7486
- Block Description Screen printed on glassy epoxy PCB.

● **Interconnections**

- All interconnections are made using 2mm banana Patch cords.
- Test points are provided to analyze signals at various points.
- All ICs are mounted on IC Sockets.
- Bare board Tested Glass Epoxy SMOBC PCB is used.
- In-Built Power Supply of $\pm 5V/150mA$, $\pm 12V/250mA$ with Power ON indication.
- Attractive Housed in ABS Plastic enclosures.
- Set of 2mm Patch cords for interconnections.
- User's Manual with sample experimental programs.

Note : Specifications can be altered without notice in our constant efforts for improvement.