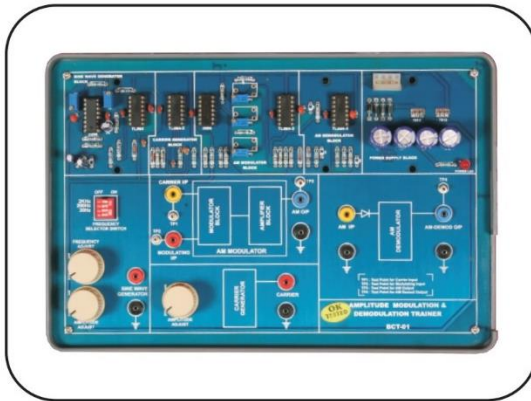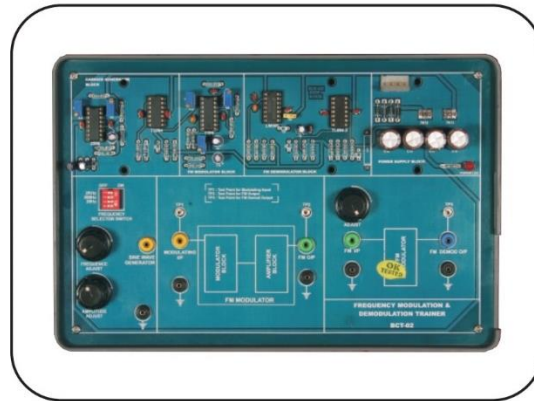## BCT-XX — BASIC COMMUNICATION TRAINER KIT

BCT-01 AMPLITUDE MODULATION & DEMODULATION KIT

Features

- **Sine Wave Generator**
  - Provides Sine waveform output using IC 2206.
  - Frequency variable from 20 Hz.-20 KHz. in three steps.
  - Frequency and Amplitude adjustments possible.

- **Carrier Generator**
  - Carrier generation using IC Tl084
  - Provides Carrier waveform output of 40 KHz and Max. 2V p-p.
  - Amplitude adjustments of carrier waveform possible

- **On-board Block features**
  - AM-modulator circuit using IC 3086.
  - AM-Demodulator using Diode detector method
  - Amplifier circuit using IC Tl084
  - 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 ±12V/350mA 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-02 FREQUENCY MODULATION & DEMODULATION KIT

Features

- **Sine Wave Generator**
  - Sine waveform output using IC 2206.
  - Frequency variable from 20 Hz.-20 KHz. in three steps.
  - Frequency and Amplitude adjustments

- **Carrier Generator**
  - Carrier waveform output of 50 KHz and Max. 5V p-p.
  - Amplitude adjustments of carrier waveform possible

- **On-board Block features**
  - FM -modulator circuit using IC 2206.
  - FM -Demodulator using PLL method by using IC 565.
  - Amplifier circuit using IC Tl084.
  - 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 ±12V/350mA with Power ON indication
- Attractive Housed in ABS Plastic enclosures.
- Set of 2mm Patch cords for interconnections
- User's Manual with sample experimental programs