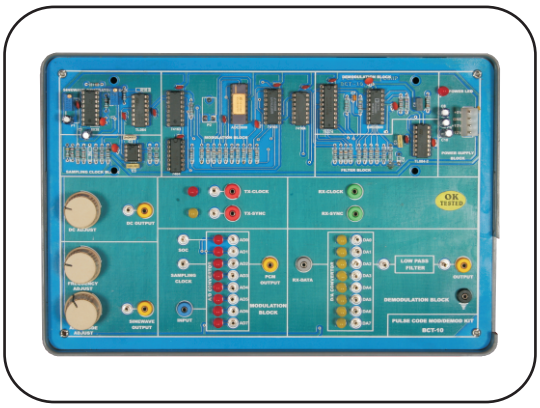
BCT - 10

PCM MODULATION & DEMODULATION TRAINER

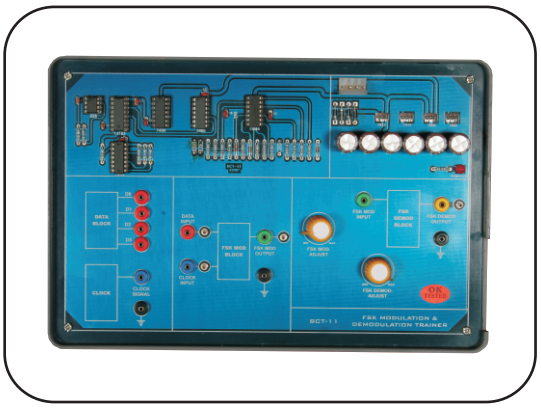


Features

- **Sine Wave Generator**
  - Provides Sine waveform output using IC 8038.
  - Frequency of Sine wave is 30 Hz with variable Amplitude of max.+/- 5V p-p.
- **DC Source**
  - Separate DC source Available from .+/-5 V
  - Provision for Amplitude adjustments provided.
- **Sampling Frequency** Generator
  - Sampling Frequency generation using IC 555
  - Provides Sampling Frequency TTL output of 25 Khz.
- **On-board Block features**
  - PCM modulation using 74163 & ADC0800
  - 8 bit Analog to digital data displayed in 8 Led's
  - PCM demodulation using 74165 & DAC0800
  - 8 bit Digital to Analog data displayed in 8 Led's
  - On-board Low pass filter
  - 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 +5V/150mA, ±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 - 11

FSK MODULATION & DEMODULATION KIT



Features

- **Carrier Generator**
  - TTL Clock Generation using IC 555.
  - Provides Carrier waveform output of 15 Khz.
- **On-board Block features**
  - Four Nos. of Data Clock using IC 7490.
  - FSK -modulator circuit using IC 74163 and IC 7400.
  - FSK -Demodulator using IC TI084.
  - 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/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.

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