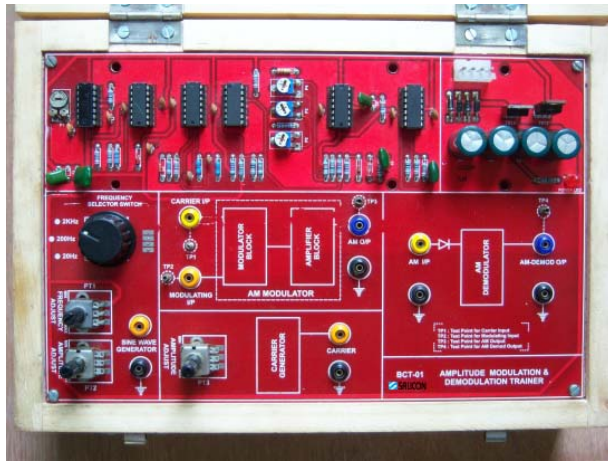


**BCT-01
AMPLITUDE MODULATION & DEMODULATION KIT**



BCT-01 is a Basic Communication Trainer System to understand various digital Modulation and Demodulation Techniques. Various functional block diagrams are provided on-board for Teaching/Training. This Kits provides with various Test Points to visualize the signals on OSCILLOSCOPE

Features

1. Onboard variable 20 Hz to 20 KHz sine wave generator in three steps.
2. 40 KHz Carrier Generator.
3. Block Description Screen Printed on Glassy Epoxy PCB.
4. In - Built Power Supply

Specifications

*** Sine Wave Generator**

1. Provides Sine waveform output using IC8038.
2. Frequency variable from 20 Hz.-20 KHz. in three steps
3. Frequency and Amplitude adjustments possible

*** Carrier Generator**

1. Carrier generation using IC TL084
2. Provides Carrier waveform output of 40 KHz and Max. 2V p-p.
3. Amplitude adjustments of carrier waveform possible.

*** On-board Block features**

1. AM-modulator circuit using IC 3086
2. AM-Demodulator using Diode detector method
3. Amplifier circuit using IC TL084
4. 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 IC's are mounted on IC Sockets.

* Bare board Tested Glass Epoxy SMOBC PCB is used.

* In-Built Power Supply of $\pm 12V/350mA$ with Power ON indication

* Attractive Wooden enclosures of Light weight Australian Pine Wood.

* Set of 2mm Patch cords for interconnections

* User's Manual with sample experimental programs

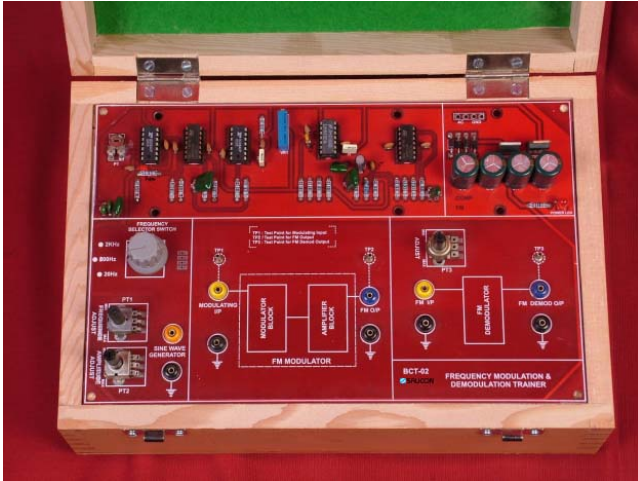
* 270mmX180mmX115mm(L x W x H)

* Weight 2.725 Kgs.

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**BCT-02
FREQUENCY MODULATION & DEMODULATION KIT**



BCT-02 is a Basic Communication Trainer System to understand various digital Modulation and Demodulation Techniques. Various functional block diagrams are provided on-board for Teaching/Training. This Kits provides with various Test Points to visualize the signals on OSCILLOSCOPE

Features

1. Onboard variable 20 Hz to 20 KHz sine wave generator in three steps.
2. 50 KHz Carrier Generator.
3. Block Description Screen Printed on Glassy Epoxy PCB.
4. In - Built Power Supply

Specifications

*** Sine Wave Generator**

1. Provides Sine waveform output using IC8038.
2. Frequency variable from 20 Hz.-20 KHz. in three steps
3. Frequency and Amplitude adjustments possible

*** Carrier Generator**

1. Carrier generation using IC TL084
2. Provides Carrier waveform output of 50 KHz and Max. 2V p-p.
3. Amplitude adjustments of carrier waveform possible.

*** On-board Block features**

1. AM-modulator circuit using IC 3086
2. AM-Demodulator using Diode detector method
3. Amplifier circuit using IC TL084
4. 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 IC's are mounted on IC Sockets.

* Bare board Tested Glass Epoxy SMOBC PCB is used.

* In-Built Power Supply of $\pm 12V/350mA$ with Power ON indication

* Attractive Wooden enclosures of Light weight Australian Pine Wood.

* Set of 2mm Patch cords for interconnections

* User's Manual with sample experimental programs

* 270mmX180mmX115mm(L x W x H)

* Weight 2.725 Kgs.