

BCT - 08

PPM MODULATION & DEMODULATION KIT



Features

- **Sine Wave Generator**
 - Provides Sine waveform output using IC 2206.
 - Frequency variable from 1KHz.-1.2 KHz.
 - Amplitude variable up to Maximum 10V p-p.
- **Sampling Frequency Generator**
 - Sampling Frequency generation using LM565 and 74163.
 - Provides Sampling Frequency TTL output of 34 KHz.
- **On-board Block features**
 - PPM -modulator circuit using IC 555.
 - PPM -Demodulator Low Pass Filter method by 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 $\pm 12V/250mA$ 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 - 09

TDM MODULATION & DEMODULATION KIT



Features

- **Sine Wave Generator**
 - Provides Dual Sine waveform output using IC TI084.
 - Frequency of Sine wave - 1 is 125 Hz with variable Amplitude of max.10V p-p.
 - Frequency of Sine wave - 2 is 200 Hz with variable Amplitude of max.4V p-p.
- **Sampling Frequency Generator**
 - Sampling Frequency generation using IC 555
 - Provides Sampling Frequency TTL output of 4 0 KHz.
- **On-board Block features**
 - Two channel multiplexing & de-multiplexing.
 - Two TDM Clocks generated using 74138.
 - TDM -modulator circuit using IC 4066.
 - TDM -Demodulator using 4066 and Lm324.
 - On-board 4th order Low pass filter with cut-off frequency of 3.4khz.
 - 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, $\pm 12V/250mA$ 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.