



### LIST OF EXPERIMENTS:

- Study of Carrier Frequency Generation.
- Study of DSBAM Generation Circuit.
- Study of DSBAM Demodulation Circuit.
- Study of Generation of Frequency Division Multiplexer signal.
- Study of Generation of Frequency Division De-multiplexer signal

### SPECIFICATIONS:

- **Sine Wave Generator**
  - Two Nos. of Sine Wave generators Provided.
  - Independent Switch selection of 10Hz, 100 Hz, 1 KHz, & 10 KHz.
  - Provision for Amplitude adjustments provided.
  - Provision for Frequency adjustments provided
- **Carrier Generator**
  - Fixed Sine Wave Generators of 100 KHz and 200 KHz.
- **On-board features**
  - Two Nos. of DSB-SC Modulator.
  - Summing Amplifier provided.
  - Two Nos. of Balanced De-modulator.
  - Audio input & output amplifier.
  - Two 2nd order Butterworth Low pass filter with cut off frequency of 10 KHz.
  - 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/1.5A, ±12V/250mA with Power ON indication
  - Attractive enclosure.
  - Set of 2mm Patch cords for interconnections.
  - User's Manual with sample experiments programs.

Note: Specifications are subject to change.

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