

ACT-11

Frequency Division MUX / DE-MUX Trainer



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 ABS Plastic enclosures.
- Set of 2mm Patch cords for interconnections
- User's Manual with sample experimental programs

• 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

Note : Specifications can be altered without notice in our constant efforts for improvement.