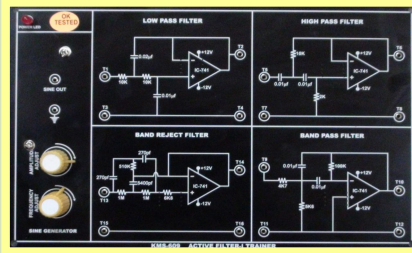
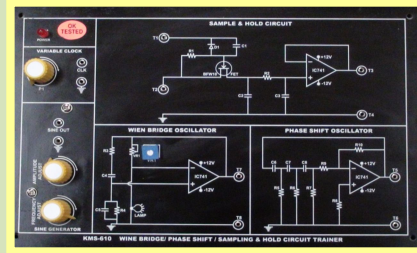


### KMS-609 ACTIVE FILTERS - I



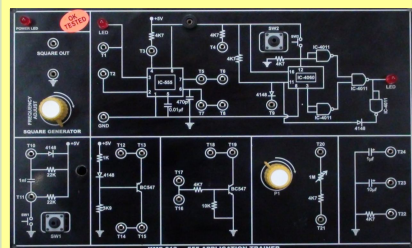
- OUTPUT Waveform – Sine
- Frequency and Amplitude Adjustment is provided using Potentiometers
- One LED indicator to indicate Power Input.
- On-board Circuits
  - Low Pass Filter
  - High Pass Filter
  - Band Pass Filter
  - Band Reject Filter
- Supply connections to OP Amp ( $\pm 12$  V) Internally Provided to the circuit
- All interconnections are made using 2mm banana Patch cords.
- All ICS are mounted on IC Sockets.
- Bare board Tested Glass Epoxy PCB is used.
- Attractive injection molded Wooden enclosures of Light weight Australian Pine Wood.
- Set of 2mm Patch cords for interconnections.

### KMS-610 WINE BRIDGE/ PHASE SHIFT/ SAMPLING & HOLD CIRCUIT TRAINER



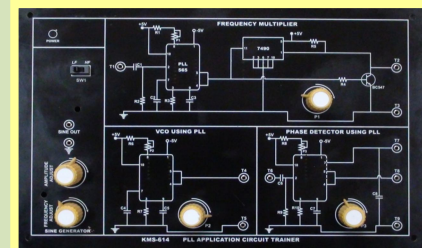
- Output Waveform - Sine
- Frequency and Amplitude Adjustment is provided using Potentiometers
- One LED indicator to indicate Power Input.
- On-board Circuits
  - Sample & Hold Circuit
  - Wien Bridge Oscillator
  - Phase Shift Oscillator
- One Potentiometer is provided for varying the frequency of the clock
- Supply connections to OP Amp ( $\pm 12$  V) Internally Provided to the circuit
- All interconnections are made using 2mm banana Patch cords.
- Bare board Tested Glass Epoxy PCB is used.
- Set of 2mm Patch cords for interconnections

### KMS-613 555 APPLICATION TRAINERS



- Output Waveform – Square
- Frequency Adjustment is provided using Potentiometer
- One Potentiometer P1 of  $1\text{M}\Omega$  in series with  $4.7\text{K}\Omega$
- One LED indicator to indicate Power Input.
- On-board Circuits
  - Combination circuits for One-Shot (Monostable)
  - Combination circuits for Free-Running (Astable)
  - Combination circuits for Bistable
  - Combination circuits for Saw Tooth Generator
  - Combination circuits for Long Duration timer
- Supply connections to 555 IC ( $+5$  V) Internally Provided to the circuit
- All interconnections are made using 2mm banana Patch cords.
- Bare board Tested Glass Epoxy PCB is used.
- Set of 2mm Patch cords for interconnections

### KMS-614 PLL Application Circuit Trainer



- One LED indicator to indicate Power Input.
- Frequency & Amplitude adjustment is provided using Potentiometer
- Three potentiometer is P1, P2 & P3.
- On-board Circuits
  - Frequency Multiplier
  - VCO Using PLL
  - Phase detector
- Supply connections to OP Amp ( $\pm 5$  V) Internally Provided to the circuit
- All interconnections are made using 2mm banana Patch cords.
- Bare board Tested Glass Epoxy PCB is used.
- Attractive Wooden enclosures of Light weight Australian Pine Wood.
- Set of 2mm Patch cords for interconnections Set of 2mm Patch cords for interconnections