



Specifications

- Covers Op-Amp (741) and its various applications
- Allows study of timer using 555 IC
- Study of F/ V, V/ F using LM331
- On-board Resistor, Capacitor, Diode and Potentiometer banks of different values
- · Bread board area allows construction of circuits using external components along with on-board
- · On-board fixed power supply and variable regulated positive and negative power supply
- \pm }15V, \pm }12 and +5V fixed DC power supply
- DC 1.5 to 10V, -1.5 to -10V variable power supply
- IC 741 Op-Amp stage
- 555IC stage
- LM331IC stage
- 16pin ZIF socket
- Resistor bank
- Capacitorbank
- Potentiometers
- Diodes
- · Zener diodes
- NPN Transistor
- N-channelMOSFET
- LED
- Breadboard

Experiments

Op-Amp IC -741 based

- Measurement of input offset voltage, input bias current, input offset current
- Measurement of differential input impedance, output resistance
- · Measurement of common mode rejection ratio (CMRR), slew rate, unity gain bandwidth
- Inverting and non-inverting amplifier (AC / DC)
- Low pass, high pass, band pass, narrow band reject, all pass filters
- Current to voltage, voltage to current, digital to analog converter
- Frequency to voltage, voltage to frequency converter using L 331

IC-555 based

- Astable, bi-stable, mono-stable multi-vibrator
- Frequency divider and frequency stretcher
- · Schmitt trigger
- PWM modulator
- · Many more

Note: Specifications are subject to change.

Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,

Tel: +91-9829132777; Email: info@tesca.in, tesca.technologies@gmail.com

™ Website: www.tescaglobal.com

