

## KMT-02 BRUSHLESS DC MOTOR TRAINER



**KMT-02** Brushless DC Motor Trainer is a rugged training system for the Electrical laboratories mounted on Aluminum profile rack with sturdy table top flat panel. Each panel has ABS molded plastic sturdy enclosure with 4mm shrouded connectors showing circuit diagram & its connection tag numbers for easy understanding and connections. The product helps you to get fully acquainted with the basic concepts and functioning of an Brushless DC Motor.

### Specifications

- Trainer having control panel should provided in 40X40mm Aluminum profile rack with sturdy table top flat panel.
- Should have 3 no's of ABS plastic panel mounted on the aluminum rack with mimic diagram
- All input & output are terminated in 4mm shrouded connector, Should provide 4mm banana cable for experiments.
- Should have 1phase power supply with DC Panel
  - 1 phase 230V AC output with On/OFF Switch .
  - +24V DC ,10A output power supply .
  - 4 digit seven segment RPM speed measurement.
- Should have DC meter panel .
  - 0-30V DC Voltmeter
  - 0-10AdcAmmeter
- Should have Controller panel.
  - BLDC Controller Circuit.
  - FED/REV Switch, Break Switch, Test point for PWM output.
  - Speed Control Potentiometer.
  - Tacho Output

- Should supply with Brushless DC Motor.
  - 24V DC motor with load breaking arrangement.
  - 3000RPM DC Motor, 200W

### Experiment List

- To study speed vs load characteristics using load arrangement
- To study speed vs load vs current vs voltage characteristics using load arrangement

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