

# BRUSH LESS DC MOTOR TRAINER (XPO - BLDC)



## SALIENT FEATURES

- ◆ Easy and safe wiring by students due to 4mm sturdy shrouded banana patch cords and shrouded socket arrangement for high voltage circuits.
- ◆ Facilitates easy learning about operative characteristics of BLDC motor.
- ◆ Each panel has ABS molded plastic sturdy enclosure, and colorful screw less overlays showing circuit diagram & its connection tag numbers for easy understanding and connections.
- ◆ Set of Instructor Guide & Student Workbook.

## Technical Specifications

A] Powder coated sturdy Aluminum flat panel (table top) system, carrying various voltage components housed in plastic enclosures (panel).

- Instrumentation Power supply cum Multichannel DPM panel (EMT 8)
- +5V, 300mA
- Multi channel DPM for digital display for speed

### BLDC-1 panel

- 24VDC/3A power supply for BLDC motor]
- Speed display DPM

### BLDC-2 panel

- BLDC controller circuit.
- BLDC motor
- Tacho output.

### BLDC-3 panel

- Forward/reverse switch.
- Brake switch
- Test points for PWM outputs
- Speed control Pot.

### Brush less DC motor

- Voltage: 24VDC
- Wattage: 200W
- Max Speed: 2500RPM.
- Frame: 34, panel mounted
- Bidirectional
- Braking system

### Mechanical specifications

- **Aluminum rack:** 4 x 1 matrix used as flat demo panel system to house panels needed for the trainer ordered.
- **Dimensions :** 500(H) x 910(L) x 300(D)mm

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Specifications subject to change without notice