



### Key Features

- Electrical AC and DC motor technology laboratory/university trainer consist of following:
- General Purpose : Designed for educational training/Laboratory work covering both AC and DC motors generators.
- Training Content / Experiment: Includes: DC motor (Series, short, separately, compound generators) induction motor: (three-phase squirrel case, wound rotor, single phase motor) synchronous machines: (motors, generators, external /internal characteristics)
- Physical & Mechanical construction : Frame: standard aluminum profile with a two-layer structure.
- Electrical & safety features: Terminals via printed composite panels use 4mm safety sockets. Connectors are sealed/sheathed/pluggable to ensure safety.
- Power supply loads: The trainer includes power supply modules (AC & DC) and resistive loads.

Measurements & instrument: Instruments for voltage, current (AC & DC), tachometer/speed measurement, torque measurement etc.

### Technical Specifications :

- AC Motor (single phase & Three phase): 0.5HP-2HP capacitor start, split phase, squirrel case induction motor.
- DC Motor (Series, short, compound): 0.5 HP-2HP, 220V/110V, 1500RPM.
- DC Power supply unit: 0-250V, 5-10A, Variable, Over load protection.
- AC Power supply panel: 3-phase, 415V, 50HZ, With MCB Volt/Amp Meters. \*Variable

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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frequency Drive (VFD): 0.75-2.2KW, Programmable, Digital Display.

- Motor control panel trainer : star-delta starter, DOL starter, Forward-Reverse Switch, contactor, Over load relay.
- MultiMate (Digital & Analog): Voltage, current, Resistance, Continuity Measurement.  
\*Clamp Meter : AC/DC current measurement up to 600A \* Tachometer(Digital): contact/Non-contact RPM Measurement.
- Megger (Insulation Tester): 500V-1000V range
- Starter Trainers : DOL, Star-Delta, Manual & Automatic Types
- Rheostat(load for DC Motors): wire-wound, 100W/5A or equivalent
- Cut-section Motor models : Transparent or open model
- wiring board with components: MCB, Relay, Timer, Selector switches, indicators.  
Oscilloscope: Advanced Version
- Circuit Breakers & Fuses : Miniature, cartridge, HRC etc
- Wiring tools: crimpers, strippers, screwdrivers, soldering kit etc.

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