

**SALIENT FEATURES :**

- Facilitates study of transformer operation, determine its equivalent circuit, use of tertiary winding to suppress harmonics etc.
- Facilitates easy and safe wiring by students due to 4mm sturdy shrouded banana patch cords and shrouded socket arrangement for high voltage circuits.
- Each of following standalone Electrical trainers may need a set of associated panels which are mounted in a light weight sturdy aluminium flat demo panel system.
- Each panel has ABS molded plastic sturdy enclosure, and colorful screwless overlays
- showing circuit diagram & its connection tag numbers for easy understanding and connections.
- Set of Instructor Guide & Student Workbook.

**Technical Specifications:**

Aluminum profile Sturdy (4x3 or 5x2) Modular Flat Panel system, carrying various high voltage components housed in plastic enclosures (panel) to minimize shock possibility.

**Input 3 phase DOL Starter panel [10 Shrouded Banana]**

- 4 pole MCB of 415 V/4A.
- DOL9A Contactor with 230V / 50 Hz / 11VACOIL.
- Bimetallic thermal O/L relay with range 1.4A - 2.3A for 300VA

**3 Ph. Bidirectional power cum Energy meter panel [8 shrouded Banana]**

- Bidirectional Multifunction Meter
- 3 Phase 3/4 wire, 415V CT Input 5A
- LCD/LED display, Aux supply 230V, 45-65 Hz, 5W
- V.I., Hz, Pf, KVA, KW, KWH

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



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- Modbus RTU RS 485 (optional)

**FWD-OFF-REV switch panel** [6 Shrouded Banana]

- FWD/REV, 3 pole 3 way switch with centre OFF, 6A/440V.

**1 phase AC Input supply panel** [10 Shrouded Banana]

- 1ph. MCBs of 4A/1.6A - 2nos.
- Bulb Load.

**AC voltmeter panel** [12 Shrouded Banana]

- Voltage range : 500V.
- 1 pole 4 way switch to select line voltage for three phase

**Dual range AC ammeter panel** [12 Shrouded Banana]

- Current range: 2A/6A selectable .
- 1 pole 7 way switch to select phase current for three phase

**Milliohm (V-I method) / Rect/ CAP Load Panel** [9 Shrouded Banana]

- Transformer : 230V/14V/3A.
- DC Voltmeter : ( 0 –10Vdc).
- DC Ammeter : ( 0 –10A).
- Diode bridge rectifier with Rectifying capacitor

**Resistive Load** [18 Shrouded Banana]

- AC Resistors :  
10K/5K/3.5K/2.5K/2K/1.5K/OFF (6 taps+1 OFF) 200W x 3 phase
- DC Resistors  
750E/600E/300E/212E/162E/ 125E/112E/100E/400W /8 taps + OFF + separate 60E tap for DC series Gen.

**Lamp Load** [12 Shrouded Banana]

- 230V/100W X3 bulbs with individual ON/OFF using 6A toggle.

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