



Features:

- Trainer facilitates the operation, measurement of earth leakage current & tripping of electrical system.
- 4mm sturdy Shrouded banana terminal and patch chords for safety.
- Aluminum profile Sturdy (4×2) Modular Flat Panel system, carrying various components housed in plastic enclosures (panels) with screw less overlays showing circuit schematic & its connection tag numbers for easy understanding and connection.

Technical Specification of Provided Panels

01. 4 no's of ABS plastic panel mounted on the aluminium rack with mimic diagram
 - All input & output are terminated in 4mm shrouded connector, its provide 4mm banana cable for experiments.
02. 3phase DOL starter 4pole MCB, contractor & relay panel
 - 4 pole MCB of 415 V/4A .
 - DOL 9A Contactor with 230V / 50 Hz /11VA COIL.
03. ELCB panel
 - 2 pole ELCB of 40A/30mA.
 - Fault Switch with Bulb, Resistor, Choke
 - Earth fault Push Switch
04. 3 phase multifunction meter panel .
 - Bidirectional Multifunction

Note: Specifications are subject to change.

- 3 Phase ¾ wire, 415V, CT Input 5A
- LCD/LED display, Aux supply 230V, 45-65 Hz, 5W
- V, A, Hz, Pf, KVA, KW, KWH

05. Over current & elapsed Time measurement panel
 - Consists of AC ammeter of 20A
 - Elapsed time counter range 99.001sec, resolution 1msec
06. Relay Panel
 - All connection of relay are brought out on this panel
 - 2 NO & 2 NC contacts
 - Current rating 5A
 - Relay Coil Connector
07. Table top 3 phase Dimmer.
 - 3 phase dimmer input 230V, 50Hz
 - Output 0-200V/ 3A
08. Table Top Protection Relay
 - Earth Fault, Directional, IDMT, Definite Time Over current static Relay
09. Table Top CT/ Resistive Load Panel
 - Consist of 5/5 Amp. 3 CTs .
 - Primary side of 3 CTs are brought on Shrouded sockets.
 - Secondary side of 3 CTs are brought out on shrouded sockets
 - 3 nos of 200W resistors with switch selectable for 100, 112, 125, 150, 175, 200 & 225 Ohm

Earthing Importance

Earthing is the first step towards electrical safety. The body of electrical equipment's, appliances etc. is to be connected to earth for safe discharge of electric current to the earth, in the event of any leakage , fault etc. The earth is considered to be zero potential. Earthing is done to provide safety to user from electric shock.