

Order Code -22235524.2 TRANSFORMER TRAINER



#### **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.

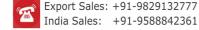
# Input 3 phase DOLStarter panel [10 Shrouded Banana]

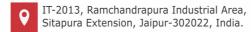
- 4 pole MCB of 415 V/4A.
- DOL9AContactor with 230V / 50 Hz / 11VACOIL.
- Bimetallic thermal O/L relay with range 1.4A 2.3A for 300VA

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

- Bidirectional Multifunction Meter
- 3 Phase 3/4 wire, 415V CTInput 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.



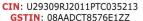














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• Modbus RTU RS 485 (optional)

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

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

### **1 phaseAC 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/6Aselectable .
- 1 pole 7 way switch to select phase current for three phase

## Milliohm (V-I method) / Rect/ CAPLoad 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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