



Key Features

Double Bus Bar Trainer is a rugged training system mounted on Aluminum profile rack with sturdy table top panel. Each panel has ABS molded plastic sturdy enclosure with 4mm shrouded connectors showing circuit diagram & its connection tag numbers for easy understanding and connections. The product helps you to get fully acquainted with the experiments like Single & Double bus bar with 2 incoming feeders, changing of Bus Bar without interruption, Ring & Radial Distribution System, Interconnected Distribution System etc.

Technical Specifications

- Trainer having control panel provided in 30X30mm Aluminum profile rack with 4 railing sturdy table top flat panel
- ISI/CE marked branded Components/ Meters are used
- Electrical Control panels are provided in Slidable ABS plastic panel mounted on the aluminum rack with mimic diagram.
- Modular type flat panel carrying various high voltage components housed in ABS plastic enclosure to minimize shock possibility.
- Modular & Slidable panel for easy site servicing not close control
- Motor/Machine Provided with Earth socket for protection.
- All input & output are terminated in 4mm BS-10 shrouded connector, provided with 4mm shrouded cable for experiments.

STANDARD SUPPLY

- Phase AC Power Supply Panel (2No's) - MP1
- 4Pole 415V/4A MCB C Curve,
- 9A Contactor with 230V / 50 Hz / 11VA COIL
- Bimetallic Class 10 thermal O/L relay with range 1.6A - 2.5A
- R-Y-B Input display Indicators.
- Manual start / stop with local trip contact

3 Phase AC Measurement Panel (6No's) – MP3

Bidirectional Multifunction

- 3 Phase ¾ wire, 415V, CT Input 5A, Accuracy Class 1
- Alphanumeric LED/LCD display, Aux supply 230V AC/DC, 45-65 Hz, 5W

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



Export Sales: +91-9829132777
India Sales: +91-9588842361



IT-2013, Ramchandrapura Industrial Area,
Sitapura Extension, Jaipur-302022, India.



info@tesca.in
www.tescaglobal.com

- V, I, Hz, Pf, KVA, KW, KWH, THD
- RS485 Communication Modbus RTU

In Feeder Panel (2 No's) – MP56

- No's of Isolator Switch
- Main Bus, Reserve Bus and Feeder
- 3 Pole 9A contactor with 24VDC Coil
- Manual Start / stop with local trip contact

Out Feeder Panel (2 No's) – MP57

- 4 No's of Isolator Switch
- 2 Main Bus, 2 Reserve Bus and Feeder
- 3 Pole 9A contactor with 24VDC Coil
- Manual Start / stop with local trip contact

Section Coupler Panel – MP58

- Dual Main Bus & Reserve Bus
- 3 Pole 9A contactor with 24VDC Coil
- Manual Start / stop with local trip contact

Bus Coupler (2 No's) – MP59

- Dual Main Bus & Reserve Bus
- 3 Pole 9A contactor with 24VDC Coil
- Manual Start / stop with local trip contact

24V DC Power Supply Panel – MP53/I

- 230V AC Mains power supply
- Auxiliary Output Power Supply of 24V DC.
- One ON/OFF Switch

Table Top Panel

- RLC Load Panel – MP25
- Resistive Load: 100E / 125E / 150E / 175E / 200E / 250E / OFF 600W / 7 steps (3No's) & SIL Tap of 262 Ohm
- Inductive Load: 0.3H / 0.6H / 0.75H / 0.9H / 1.2H / 1.5H / 1A 7 steps (3No's of 1.5H/1A)
- Capacitive Load: 2 μ F / 5 μ F / 10 μ F / 15 μ F / 20 μ F / 30 μ F & 50 μ F / 440V AC 7 steps (3No's of 440V AC)
- Cooling: Fan 2 no's

Transmission Line Panel – MP24/II

- 3MW scaled down by (1000:1) TLS, 5A Max
- 5 No's of Different Length
- 0.3pu transmission line of 125Km (2 No's)
- 0.2pu transmission line of 75Km (2 No's)
- 0.13pu transmission line of 50Km (1 No)
- Cooling Fan 2 no's

Working Table - 01

MS Work Table Size 1200x750x850 (L x W x H), with four castor wheels including two lockable wheels with Drawer size of L450mm x W500mm x H200mm.

ACCESSORIES

- Set of 4mm Shrouded Cables required for experiments
- Set of Manuals with Experiments.
- 3 Phase 470V/6A Variac (Optional)

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



Export Sales: +91-9829132777
India Sales: +91-9588842361



IT-2013, Ramchandrapura Industrial Area,
Sitapura Extension, Jaipur-302022, India.



info@tesca.in
www.tescaglobal.com

EXPERIMENTS (Will depend on the list of Panels/Items Purchased)

- Study of Single Bus Bar operation with two incoming feeder.
- Study of Double Bus Bar operation with two incoming feeder
- Study of Changing of Bus Bar without interruption.
- Study of Ring Distribution System
- Study of Radial Distribution System
- Study of Interconnected Distribution System
- Study of 3 Bus Power Flow (Optional)
- Study of 4 Bus Power Flow (Optional)

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



Export Sales: +91-9829132777
India Sales: +91-9588842361



IT-2013, Ramchandrapura Industrial Area,
Sitapura Extension, Jaipur-302022, India.



info@tesca.in
www.tescaglobal.com