

KMG-07 DOUBLE BUS BAR TRAINER



KMG-07 Double Bus Bar Trainer is a rugged training system for the Electrical laboratories mounted on Aluminum profile rack with sturdy table top flat 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 basic concepts and functioning of a Double Bus Bar Trainer.

Specifications

- Trainer control panel is provided in 40X40mm Aluminum profile rack with sturdy table top flat panel.
- It has 16 no's of ABS plastic panel mounted on the aluminum rack with mimic diagram of components
- All input & output are terminated in 4mm shrouded connector and 4mm banana cable is provided for experiments.
- 3phase DOL starter 4pole MCB, contractor & relay panel
 - 4 pole MCB of 415 V/4A.
 - DOL 9A Contactor with 230V / 50 Hz / 11VA COIL.
 - Bimetallic thermal O/L relay with range 1.4A - 2.3A
 - R-Y-B Input display Indicators.
 - Manual start / stop with local trip contact
- 3 phase multifunction meter panel (5 No)
 - Bidirectional Multifunction
 - 3 Phase $\frac{3}{4}$ wire, 415V, CT Input 5A
 - LCD/LED display, Aux supply 230V, 45-65 Hz, 5W
 - V, A, Hz, Pf, KVA, KW, KWH
 - Modbus RTU RS 485
- 1 Ph AC Input supply Panel
 - 1ph 230V/2A output supply.
 - 1 ph. MCBs of 2A.
 - 24V Aux power supply panel.

- In-Feeder panel (4nos)
 - Consisting of 3-isolator switches.
 - Circuit breaker, Main bus, Reserve bus, Feeder.
 - Manual start / stop with local trip contact.
- Bus-Coupler panel (2nos)
 - Consisting of Circuit breaker, Main bus, Reserve bus
 - Manual start / stop with local trip contact
- Out-feeder panel (2nos)
 - Consisting of 4-isolator switches, Circuit breaker, Main bus, Reserve bus, Transfer bus/Earth switch, Feeder.
 - Manual start / stop with local trip contact
- Section-Coupler Panel
 - Consisting of 2 Circuit breakers, Main bus, Reserve bus.
 - Manual start / stop with local trip contact
- Table top Transmission Line Panel
 - 2 Transmission lines for 125 Km(0.3pu).
 - 2 Transmission lines for 75 Km (0.2pu).
 - 1 Transmission line for 50 Km (0.13pu).
- Table top RLC load Panel
 - 7 way Switch selectable 3 no of 1KW Resistive load of value (225 Ω , 200 Ω , 175 Ω , 150 Ω , 112 Ω , 100 Ω),
 - 7 way Switch selectable 3 no of 440V Capacitive load of value (50 μ F, 30 μ F, 20 μ F, 15 μ F, 5 μ F, 2 μ F)
 - 7 way of Switch selectable 3 no of 1A Inductive load of value (1.5H, 1.2H, 0.9H, 0.75H, 0.6H, 0.3H)

Accessories:

- Set of Shrouded Cables
- Set of Manuals with Experiments.
- Demo CD showing Experiments

Optional Accessories:

- Working Table (KWT-01)....1 No
- Multimeter ... 1 No
- Tool Kit... 1 No

Experiment List

- Study the working of single busbar operation with two incoming feeders.
- Study the working of double busbar operation with two incoming feeders.
- Study of busbar change without interruption.
- Study the working of 3 bus power flow study.
- Study the working of 4 bus power flow study.

Note : Specifications & Photos can be altered without notice in our constant efforts for improvement.