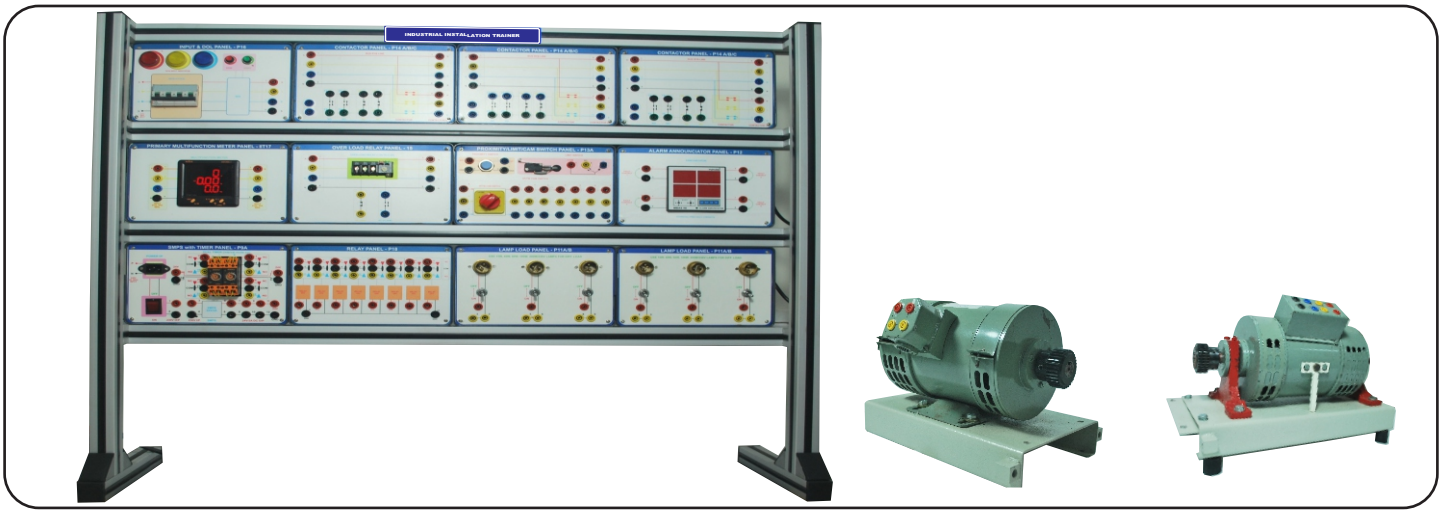
ELECTRICAL MACHINE LAB

Kitek Technologies Pvt. Ltd.

.....a total solution for Educational Lab Trainers

KEE-06 INDUSTRIAL INSTALLATION TRAINER



KEE-06 Industrial Installation Trainer is a rouged 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 an Industrial Installation Trainer.

Specifications

- Trainer having control panel should provided in 40X40mm Aluminum profile rack with sturdy table top flat panel.
- Should have 16 no's of ABS plastic panel mounted on the aluminum rack with mimic diagram
- All input & output are terminated in 4mm shrouded connector, Should provide 4mm banana cable for experiments.
- Should have 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
- Should have 3 phase multifunction meter panel.
  - Bidirectional Multifunction
  - 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
- Should have 3 Phase Contractor Panel (3nos).
  - 9A Contractor with 230V/50Hz with 3 nos of NO contact.
  - 2 NO & 2 NC contact output
- Should have 3 Phase Over Load relay Panel.
  - Bimetallic thermal over load relay
  - 440v/1.4A-2.3A range with 3 power contact output.
  - 1 No & 1 NC contact output.
- Should have Switch Panel-1.
  - 24V DC operated NPN type Proximity Switch
  - One change over type Limit Switch with NO & NC Contact.
  - 3 Pole 7 Way Cam Switch.
- Should have Switch Panel-2.
  - Mushroom Switch, one No & One NC(2nos)
  - Push Switch, one NO & one NC
  - Toggle Switch 2 way 4 terminal
  - Illuminated Switch 2 way 4 terminal
  - Illuminated Push Switch, one NO & One NC
- Should have Industrial Socket Panel.
  - 1 Phase 3 terminal Socket, 16A
  - 3 Phase 5 terminals Socket, 16A
- Should have Alarm Annunciate Panel.
  - 4 numbers of potential free fault contacts
  - 4 numbers of fault windows with flashing & alarm indication.
- Should have Timer & AC/DC supply Panel.
  - 2 numbers of 24V DC Timer
  - Each timer support 2 NO & 2 NC contacts
  - 24 DC supply output
  - 1 phase MCB 4A 230V, ELCB 30mA.
- Should have MCCB Panel.
  - 3 Phase MCCB panel
  - 415V AC,50Hz , 100A NFB
- Should have Relay Panel-1.
  - 8 numbers of 24V DC SPST relay
  - Led Indication for each relay
  - Each relay support one NO & one NC Contact.
- Should have Relay Panel-2.
  - 2 numbers of 220V AC SPDT relay
  - Led Indication for each relay
  - Each relay support Two NO & Two NC Contact.
- Should have Lamp Load panel (2nos).
  - 230V 3 numbers of 100w bulb with socket as a Load.
  - On/OFF toggle should be provided for each bulb socket.
- Should supply with 3 Phase AC Motor.
  - 1/2HP 3-Phase Induction Motor.
  - 6 terminals provided for Start/Delta operation

Experiment List

-Study of components in electrical system & their operation.
-Study of contact logics with trip indication.
-Study of DOL starter, Contractor.
-Study of Phase reversal Logic.
-Study of Timer & relay logics
-Study for star & delta operation
-Study of Earth Leakage

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

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