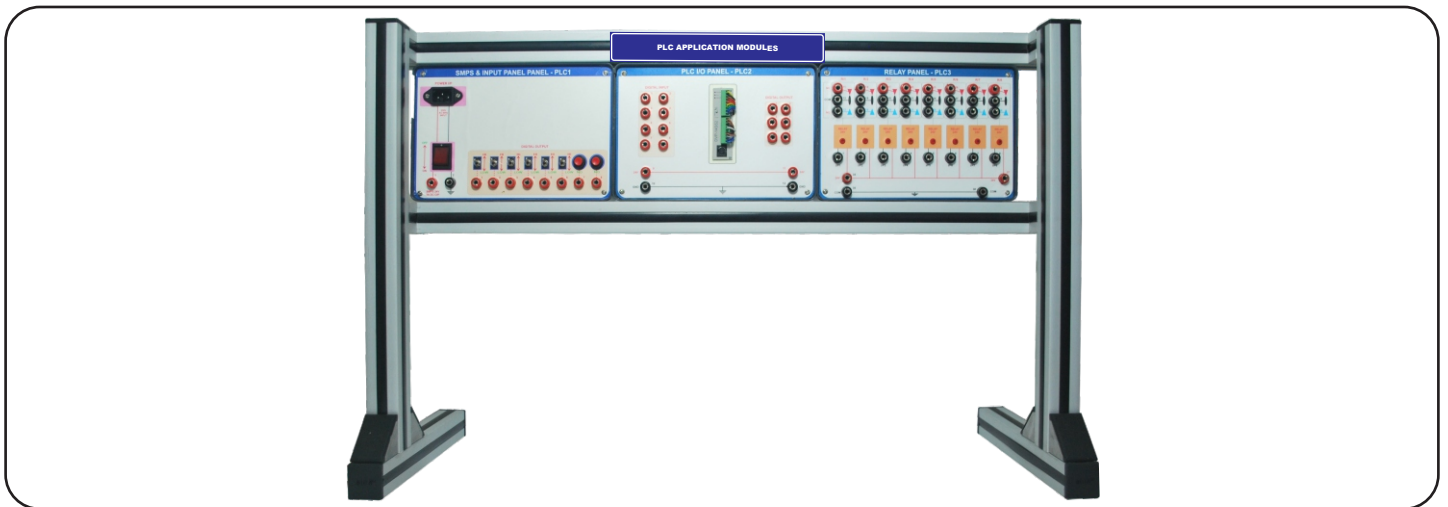## KPC-08   PLC TRAINER BASIC

KPC-08 PLC trainer basic is designed for understanding the basic PLC programming logic principles for the Process automation, mounted on Aluminum profile rack with sturdy table top flat panel. The PLC setup consists of 8 input & 6 Output with panel. For Simulating input this unit has 6 toggle switch & 2 push switch. For simulating output this unit provided with 8 SPDT relay output with Led indicator. Each panel has ABS molded plastic sturdy enclosure with 4mm shrouded connectors showing circuit diagram & its connection tag numbers for easy understanding and connections.

Specifications

- Trainer having control panel should provided in 40X40mm Aluminum profile rack with sturdy table top flat panel.
- Should have 3 ABS plastic panel mounted on the aluminum rack with mimic diagram
- DVP-14SS2 type PLC Controller panel
  - 32 bit CPU controller built in
  - 8 Digital input ports
  - 6 Digital Output ports
  - Program capacity : 8K step/data register 5K words
  - 4 points of 10Khz pulse output
  - 8 points of high speed counter: 20Khz/4 points & 10Khz/4points
  - Supports modbus, RTU protocol
  - RS-232 link for pc communication
- Digital Input Simulation panel
  - 6 bit digital input toggle switch provided for Hi & Lo output
  - 2 bit digital input Push switch provided for Hi & Lo output
  - HI output is 24V dc & LO output is 0V.
  - 24V DC supply in built
  - 230V AC power socket with On/Off Switch

- Digital Output Simulation panel
  - 8 bit SPDT Relay output
  - Led indicator for output indication.
- All input & output are terminated in 4mm connector & should provide 4mm banana cable for experiments.

Range of Experiments

- Study of NO, NC & Coil Operation
- Study of Interlock Operation
- Study of Latch Operation
- Study of Set & Reset Operation
- Study of Rising & Falling Edge Operation
- Study of Timer & Counter Operation
- Study of Right & Left Shift Operation
- Study of Addition, Subtraction, Multiplication & Division Operation
- Study of Data Move Operation

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