

**SAP E & C PLC PROGRAMMING TRAINER KIT
(PRODUCT CODE: PCST-14A AND PCST-14A_ECO)**



PLC PROGRAMMING TRAINER KIT (PCST – 14A)

**PLC PROGRAMMING TRAINER KIT (ECONOMY MODEL)
(PCST-14A_ECO)**

The PLC Programming Trainer Kit (PCST – 14A) gives an idea regarding the basics of Programmable Logic Controllers, Ladder Programming Techniques, input-output interfacing of PLC unit & real time usage & applications.

Technical Specification: -

| No. | Item Name | Technical Specifications |
|-----|--|---|
| 1 | PLC Make- | SIEMENS LOGO/AB MICRO 810/Delta/Mitsubishi/Eqvt. Digital inputs- 8, Digital outputs- 4 PC interface facility, PC-PLC interfacing cable. Front panel for display of digital input /output status: Lamps (8 Nos.), LED Indicators (4 Nos.), Ladder diagram programming on PC. |
| 2 | Ladder Programming Software- | Logo soft/CCW /Eqvt. |
| 3 | Power Supply- | 24VDC, 3A Power source. 4"X2"X2" |
| 4 | 2080-USB ADAPTER- | USB Adapter Plug for Micro810 12-pt only |
| 5 | 2080-LCD- | 1.5 LCD Display and Keypad, for Micro810 & Siemens Logo |
| 6 | PLC panel dimensions- | PLC panel: 2 Ft. X 1Ft. X 2 Ft., Mounting Frame: 2FtX1.5FtX2Ft Economy model: 185mm x 90mm x 150mm |
| 7 | Necessary Input / Output simulating devices. | |
| 8 | Electrical control panel for simulation of digital inputs (Consisting of Toggle Switches 8 no. & proximity sensor 1 No.) | |
| 9 | Output compatibility to Solenoid valves, Electric motors as actuating elements in respective assorted | |

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| | Modules. |
| 10 | Water level tank with Miniature Level Switches (2 Nos.) and solenoid drain valve (1 No.) (Optional) |

Range of experiments:

- ❖ Study Of PLC Ladder programming trainer kit.
- ❖ Study of Ladder Programming Software
- ❖ Study of Auxiliary Experiments.
- ❖ Study of Timers and Counters.
- ❖ Study of Logic Gates
- ❖ Study of interfacing of Proximity sensor with PLC unit.
- ❖ Study of Water level drain control operation (optional)

Features: -

- ❖ Compact Ergonomic Design.
- ❖ User Friendly, Self Explanatory Systems.
- ❖ Robust Construction.
- ❖ Enhanced Electrical Safety Considerations.
- ❖ Self-explanatory instruction manuals, copy of S/W are provided.
- ❖ Inbuilt Safety Measures to avoid improper usage.
- ❖ Computer Interface.

System Dimensions: Approx. 2 Ft. (L) X 1.5 Ft. (W) X 4 Ft. (H)

Weight: Approx. 25Kg

Services Required:

- ❖ Electric Supply of 1 ϕ 230 VAC, 6A, 50Hz.
- ❖ Laptop/Desktop Computer with latest configuration.

Note:

All descriptive matter and illustrations are intended to give only a general idea of the equipment Detailed specifications may be altered at the company's discretion without any notice.

