

SAP E&C PLC PROGRAMMING TRAINER KIT (PCST 14)



PLC Programming Trainer Kit gives an idea regarding the basics of Programmable Logic Controllers & its applications.



PLC PROGRAMMING TRAINER KIT



WORKING MODULES FOR PLC (OPTIONAL)

SYSTEM SPECIFICATIONS:

- ❖ **PLC - Micrologix 1200: 1762-L24 BXB/ Micrologix 1400.**
- ❖ 14 D.I. / 10 D.O. (M.L.1200) / 20 D.I./ 12D.O. (M.L.1400)
- ❖ Communication Port RS 232 / RS 485 / Ethernet
- ❖ Ladder diagram programming on PC.RS LOGIX 500 STARTER 9324RLM0100ENE.
- ❖ 2 Analogue input/2 Analogue output 1762-1f20f2.
- ❖ 24VDC, 3A Power source.4" X 2" X 2".
- ❖ I/P- O/P LED indication on front panel.
- ❖ PC interface facility. PC-PLC interfacing cable1761-CBL-PM02
- ❖ Necessary I/p-O/p simulating devices.
- ❖ SCADA SOFTWARE connectivity for PLC.(optional)
- ❖ Electrical control panel for simulation of digital inputs (switches 14 no.& proximity sensors 2no, miniature level switch 1no.)
- ❖ Front panel for display of digital input/output status: Lamps (14no.), LED INDICATORS (10no.), small AC electric motor(1no.), solenoid valve 1no.
- ❖ PLC panel dimensions: 2Ft. X 1.5Ft. X 2Ft. With visible transparent front facia.
- ❖ High speed Frequency input for optical encoder moduleJ260-58-AN-R-HVLD-360-V3-10-1-S-EG. (Optional).
- ❖ High speed PWM output for Stepper motor module 42SH33-4AM (optional).
- ❖ Level measurement (CPT) using PLC with water level control module. (Optional).
- ❖ Inductive/ proximity limit switches (digital inputs) MFPS_Q12 for Water level, position Sensing relay outputs (digital outputs) in lift simulator & bottle filling plant module. (Motor: ACM60, 10W, 230VAC.)
- ❖ Optical sensor 1no. for position.
- ❖ Output compatibility to Solenoid valves, Electric motors as actuating elements in respective assorted modules.

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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 (Optional).

Range Of Experiments:

- ❖ Study Of PLC Ladder programming trainer kit.
- ❖ Study of Auxiliary Experiments.
- ❖ Study of Auxiliary/optional following PLC working modules:
 - ❖ Batch Process Reactor: PCST-14-I
 - ❖ Rotary Bottle Filling Plant PCST-14-II
 - ❖ DC Motor Speed Control Module PCST-14-III
 - ❖ Star-Delta Starter PCST-14-IV
 - ❖ Discrete Application Trainer PCST-14-V
 - ❖ Density Based Traffic Light Control PCST-14-VI

Services Required:

- ❖ 230 V AC 50 Hz Single Phase Supply.

System Dimensions: 1.5Ft. (L) X 1.5Ft. (W) X 1Ft. (H)

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.

Manufactured/Marketed By

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