



Application :

The PLC Training System is designed as a hands-on learning platform to provide comprehensive knowledge of **embedded control systems**. It enables users to program and interface PLCs with **temperature sensors, actuators, and analog/digital I/O modules** for real-time monitoring and process control experiments. This system is ideal for academic institutions, research laboratories, and industrial training centers.

Core Features

Modular PLC Unit

- Configurable **logic controller** with minimum **16 discrete I/O points**.
- **Analog I/O module**: 2 inputs and 1 output channel.
- **Digital I/O module**: 16 channels (8 digital inputs + 8 digital outputs).
- Fully **compatible with temperature sensors** for process automation studies.

Accessories & Spare Modules

- **Digital Input Module** – 8 channels, optically isolated.
- **Digital Output Module** – 8 channels, optically isolated.
- **Analog Input Module** – 2-channel configuration.
- **Analog Output Module** – 1-channel configuration.
- **Industrial-grade temperature sensor** (compatible with PLC).

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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- **24V DC power supply** for system operation.
- **RS232 communication cable** for PLC connectivity.
- **PC-to-PLC programming cable.**
- **Programming software (Ladder Diagram)** supplied via CD.
- **Terminal blocks and connectors** for flexible wiring.
- **USB-to-RS232 communication adapter/converter** for modern interface requirements.

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