

PLC LOGO TRAINER WITH HMI(LOGO 230-HMI)

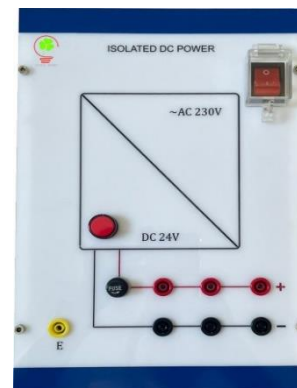


Introducing PLC Trainer system:

A comprehensive solution for hands-on learning in industrial automation. Unlock the potential of PLC programming with our versatile kit. Dive into real-world applications, from basic logic operations to advanced sensor integration. Experience the power of control systems firsthand with our user-friendly and adaptable training platform. Join us on a journey of exploration and innovation in the world of PLC technology.

Module 1: Power Supply Module Box

- **Input Voltage:** 230V AC, 50Hz
- **Output Voltage:** 24V DC
- **Output Current:** 10A
- **Description:** This module provides a stable power supply of 24V DC, essential for powering various components of the training kit.



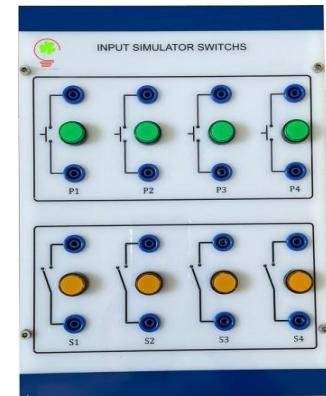
Module 2: PLC Siemens LOGO 8 230-RCE

- **Model:** LOGO 8 230-RCE
- **Description:** The Siemens LOGO 8 PLC is a versatile programmable logic controller suitable for educational and industrial applications. It offers robust performance and ease of programming, making it ideal for learning and experimentation.



Module 3: Switch Module

- **Features:** 8 switch push and latch
- **Description:** The switch module provides simulated inputs to the PLC, allowing students to practice programming and testing various control scenarios.



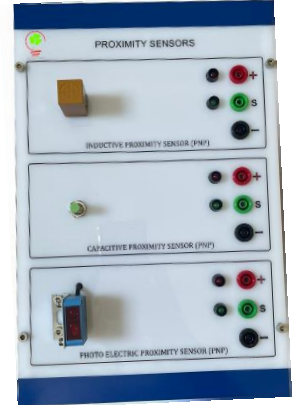
Module 4: 0 to 10V Two Channels Module

- **Input Range:** 0 to 10V
- **Channels:** 2 chn
- **Description:** This module interfaces with the PLC's analog input, enabling students to work with voltage signals within the 0 to 10V range.



Module 5: Proximity Sensors Module

- **Sensor Types:** Inductive, Capacitive, and Photoelectric
- **Output Type:** PNP
- **Description:** The proximity sensors module includes different types of sensors with PNP output, offering hands-on experience in detecting objects using various sensing principles.
- **Inductive Proximity Sensor:** Used in manufacturing, these sensors detect metallic objects without physical contact, crucial for automated assembly lines.
- **Capacitive Proximity Sensor:** Common in packaging, these sensors detect materials like liquids or powders, ensuring precise filling levels.
- **Photoelectric Proximity Sensor:** Found in conveyor systems, they detect packages for sorting and routing, enhancing warehouse efficiency.



Module 6: 4 to 20mA Module

- **Input Range:** 4 to 20mA
- **Channel :** 2chn
- **Description:** This module converts current signals within the 4 to 20mA range into digital signals compatible with the PLC's analog input, allowing students to work with industrial sensors and transmitters.



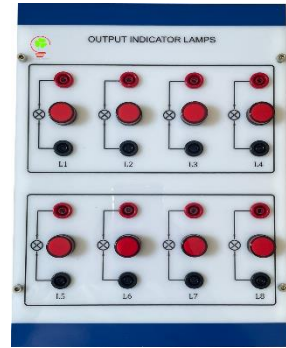
Module 7: HMI Module SIMATIC HMI 9 Inches

- **Display Size:** 9 inches
- **Description:** The SIMATIC HMI provides a user-friendly interface for interacting with the PLC, enabling students to monitor and control processes effectively.



Module 8: Lamp Module

- **Quantity:** 8pcs
- **Voltage:** 24V DC
- **Description:** The lamp module includes 24V DC pilot lamps to indicate the status of PLC outputs, facilitating visual feedback during experiments and troubleshooting.



Experimental Combinations:

- By combining the modules in various configurations, students can perform a wide range of experiments, including:
 - Basic logic operations
 - Analog signal processing
 - Sensor integration and control
 - Human-machine interface design
 - Industrial automation scenarios

PLC Trainer system offers a holistic approach to learning industrial automation, empowering users to develop practical skills. With its diverse modules and real-world applications, it serves as a gateway to mastery in PLC programming and control systems. Elevate your understanding and expertise with our comprehensive training solution.
