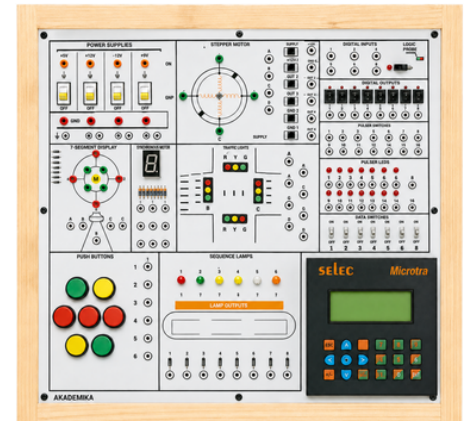


CL-PLC

Programmable Logic Controller Trainer Kit



FEATURES

- A single-board PLC training platform with 10 digital inputs and 8 digital outputs, LCD display, MODBUS RTU communication, RTC and a rich onboard user interface for ladder-logic experimentation.

SPECIFICATIONS

FLEXYS PANEL Tx4

Input

- Total inputs: 10
- Input voltage: 24VDC (abs. max 30 VDC)
- Input type: PNP
- Isolation: 2.5 kv
- Response time: 10ms max

Output

- Total outputs: 8
- Contact rating: 5A resistive @ 230 VAC
5A resistive @ 30 VDC
- Min switching time: 20ms max
- Isolation: 2.5 KV
- Response time: 20ms

Analog Series Input

- Total inputs: 3-AI0, AI1, AI2, AI3 (not in use)
- Resolution: 12 bits
- Conversion time: 100 ms

Analaog Series Output

- Total outputs: 2
- Output type: Current - 0 to 20 mA, Voltage - 0 to 10 V

Functional

- Programming method: Window based software for ladder programming & HMI configuration
- No. of objects: Max. 5000
- Min scan time: 200 µsec
- Data memory: 16K
- Code memory: 351K
- Upload memory: 96K

EXPERIMENTS

- Day light tower
- Traffic light control
- Four-phase stepper motor control (physical control)
- Automatic liquid mixing device
- Assembly line control (Optional)
- Water level control tower
- Manipulator control
- LED digital control
- Four conveyor control
- Vending machine control
- Three floor elevator control
- Mail sorting control
- Rolling mill control
- Automatic plating
- Logic gate (AND, OR, NOT, NOR, NAND, EX-OR, EX-NOR)

