

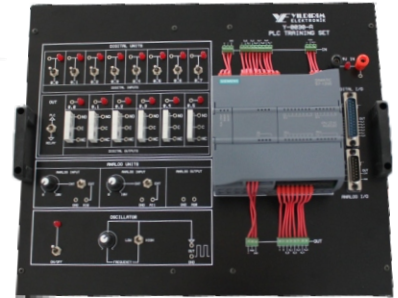
Y-0030-A SERIES PLC TRAINING SET AND PLC APPLICATION MODULES

PLC Training Set designed to use alone or with application modules. In the set Siemens S7-1200 series CPU 1214C model PLC is used. There are 6 pcs relay outputs for digital outputs. It is possible to use both PLC outputs and relay outputs. Thanks to D'SUB connectors on the panel, PLC Training Set can work together with PLC Application Modules. PLC Training Set has potentiometer and adjustable frequency oscillator for analog applications.

PLC application modules can be used with the existing PLC sets. Sample software and experiment data sheets for this application are given with modules.

Y-0030-A PLC Training Set

- Supply Voltage :24V DC (Power Supply is optional)
- 8 digital input - 6 digital output
- 6 pcs relay for digital outputs
- Led and simulation keys at digital inputs
- 2 pcs potentiometer (for analog applications)
- Signal generator : 1Hz - 100Hz adjustable
- 24 pcs , 4 different colored 2mm jack
- Licensed Siemens TIA portal V.11 software



Y-0030-A01 : Asynchronous Motor Application Module

Asynchronous Motor Application Module consists 6 pcs module.

- All inputs/outputs with 4 mm double isolated banana sockets
- 4 pcs 24V Contactor, Thermal Relay Module
- Button ,Emergency Stop, Signal Lamp, Limit Key group module
- Asynchronous Motor Driver Module
- Asynchronous Motor Module (0.18kW)
- 3 phase 380/220 Transformer Module
- PLC I/O Link Module
- Experiment data sheets and application CD
- 4 mm experiment cables
- Connection cable for the PLC and I/O Link Module
- **Experiments that can be made;** speed and control applications of Asynchronous Motor with PLC



Y-0030-A02: DC Motor Application Module

- All inputs/outputs with 2 mm banana sockets
- D-Sub connector for PLC connection
- 2 pcs relays
- Button group
- Signal Lamps
- DC Motor Driver
- DC Motor
- Experiment data sheets and application CD
- **Experiments that can be made;** speed and control applications of DC Motor with PLC



Y-0030-A03: Sensor Applications Module

- All inputs/outputs with 2 mm banana sockets
- D-Sub connector for PLC connection
- Inductive, Capacitive and Optical sensors
- Signal Lamps
- Experiment data sheets and application CD
- **Experiments that can be made;** PLC applications with sensors



**Y-0030-A SERIES
PLC TRAINING SET AND PLC APPLICATION MODULES**

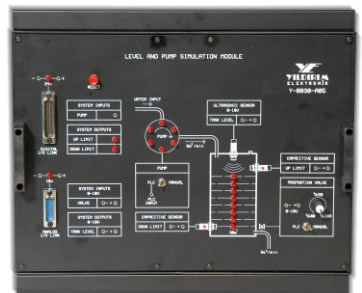
Y-0030-A04: Traffic Signalization Simulation Module

- All inputs/outputs with 2 mm banana sockets
- D-Sub connector for PLC connection
- Crossroads model and signalization lamps
- Experiment data sheets and application CD
- **Experiments that can be made;** traffic signalization applications



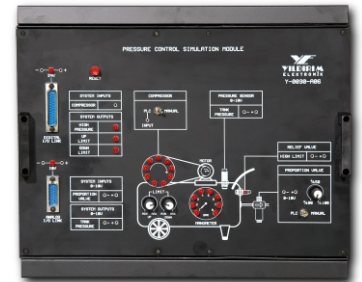
Y-0030-A05: Level and Pump Simulation Module

- All inputs/outputs with 2 mm banana sockets
- D-Sub connector for PLC connection
- Led screen and 0..10V output tank level simulation
- 0...10V input or manually adjustable pumping speed simulation
- Manuel or PLC controlled tank discharge valve simulation
- Experiment data sheets
- **Experiments that can be made;** The pump and tank's fluid level measurement/control, filling and discharging applications; PLC applications for real analog and digital signal simulations



Y-0030-A06: Pressure Control Simulation Model

- All inputs/outputs with 2 mm banana sockets
- D-Sub connector for PLC connection
- 0...10V input or manual tank pressure control simulation
- 0...10V output pressure sensor simulation
- PLC controlled discharge valve simulation
- Experiment data sheets
- **Experiments that can be made;** a compressed tank's pressure measurement and control applications, PLC applications for real analog and digital signal simulations



Y-0030-A07:Graphic Based Touch-Screen Operator Panel Module(Siemens KTP 600)

- 5.7" 256 colored LCD TFT
- RS232/RS485 Serial port or RJ45 Profinet
- TIA portal software support
- Experiment data sheets
- **Experiments that can be made;** input/output applications with operator panel and PLC, text based applications, graph based applications, different function uses



Y-0030-A08:Text Based Operator Panel Module

- 3.6" FSTN Display Monochrome
- 240x80 pixel
- 10 keys user defined
- Shift, Esc, Enter, Up-Down keys
- 4 color Back ground illumination
- TCP/IP Profinet communication port
- Communication cable
- Experiment data sheets
- **Experiments that can be made;** input/output applications with operator panel and PLC, text based applications, different function uses



Optional

Y-0030-A09: Desktop Module Rack:

Desktop module rack made of anodic coated aluminium is designed to place all modules

Y-0030-A10: Cable Set:

For applications different size and color connection cables