NAUGRA®

Product name:	Product code:
PLC Trainer	Instrumentation0003



Description

PLC Trainer

Technical specification

2048 points (With 64 pt modules)

Digital Input :

Input Point : 16 Points (2 EA)

Rated input Voltage : DC 12/24 V

Common Method : 8 Points / 1 Com

Insulated Method : Photo Coupler Insulation

Digital Output :

Output Point : 16 Points (2 EA)

Rated Load Voltage : DC 12V, AC 220V

Rated Load Current : Max. 2A

Common Method : 8 Points / 1 Com

Insulation method : Relay Insulation

Power Module : AC 50Hz / 60Hz, ; DC 5V/4A, 24V/0.7A

Vibration Proof Module : Vibration proof for non use slot

Base : 8 slot (maximum number of module attach 8 EA)

Trainer Power Supply :

Power : AC, 50Hz / 60Hz

Meter : 1 EA

Main power (Built in current protection device) : 1 unit

PLC power (built in Current protection device) : 1 unit

DC output power (DC 24V) : 1 Unit

Output Terminal : 4 EA

Sensor Input and Motor Device :

DC Motor (DC 24V) : 1 Unit

Coupling : circular type (Hole 4 EA / Magnetic 1 EA)

Photo sensor (Detection Distance : 200 mm) : 1 EA

Proximity Sensor (Detection Distance : 8 mm) : 1 EA

Power for sensor : DC 12V ~ 24V

Input Signal Device :

Non lock type push button : 7 EA

Lock type push button : 1 EA

Digital switch (BCD, 2 digits) : 1 Unit

Output Signal Indication :

Output Lamp (DC 24V) : 7 EA

Buzzer (DC 24V) : 1 EA

Digital switch (BCD, 2 digits) : 1 Unit

Digital I/O Terminals :

Input : 32 Points (16 points / 1 COM Total 4 EA)

Output : 32 Points (16 Points / 1 COM Total 4 EA)

Training Contents :

Basic Commands, LOAD and LOAD NOT

Basic Commands, AND and AND NOT

Basic Commands, OR and OR NOT

Basic Command, Coil

Commands, SET and RST

Self holding circuit

Transition – Sensing Coils

Function Block Command, TON

Function Block Command, TOF

Function Commands, CTU & CTD

Function Commands, MCS and MCS CLR

Quiz Circuit

Electric Motor and Pulse sensor 1

Electric Motor and Pulse sensor 2

PLC Trainer

NAUGRA®
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Control Method : Cyclic execution of stored program, Time-driven operation

Interrupt Laboratory

I/O Control Method : Scan synchronized batch processing method (Refresh Method)

Program Language : LD (Ladder Diagram), IL (Instruction list), SFC (Sequential Function chart)

Number of Instructions : LD(20 EA), IL (13 EA), SFC (194 EA)

Processing speed : 0.2/Step

Program Memory Capacity : 128 Kbyte

Maximum I/O Points : 512 points (With 16 pt modules), 1024 points (With 32 pt modules)