



PLC Trainer



Model 5050

The Nida Model 5050 Programmable Logic Controller Trainer is the ideal PLC trainer to enhance your industrial maintenance program. Designed around the Allen Bradley MicroLogix 1200, the Model 5050 trainer provides your student a complete PLC training package, from troubleshooting fundamental PLC circuits to programming advanced automated processes. The Model 5050 PLC Trainer comes standard with relay and TTL slots, an 8 LED level/process display, variable speed motor, and basic process control circuit cards.

Power, relay, TTL, and analog input/output connections allow the student to receive inputs and control outputs to various external devices. The Model 5050 PLC Trainer is designed with a computer interface module for programming the PLC using APS or RS Logix software and can be utilized as a stand-alone trainer or interfaced with the Nida PLC CAI software. In the classroom or in the factory, the Nida Model 5050 PLC Trainer is the logical choice to enhance your industrial technology training program.

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Features

1. Process Control Card - provides students with basic Start/Stop, Status Indication, and Analog Control concepts and experimentation.

2. Input/Output Interface - allows external connection to input and output devices for controlling external processes.

3. Process Selector - built-in selector provides preprogrammed basic control functions.

4. Allen Bradley MicroLogix 1200 - includes the proven, reliable, and standard PLC used throughout industry.

5. Relay and TTL Slots - incorporates two of the most popular slots used in industry applications.

6. Variable Speed Motor - used to demonstrate fixed and variable motor processes.

7. 8 LED Level/Process Display - provides a visual indication of levels, process steps, and digital states.

8. Fundamental Process Card - allows students to observe, control, and troubleshoot a multitude of process outputs.

Specifications

Primary Power: 110 VAC (0.6A max) or 220 VAC (0.3A max), 50/60 Hz switched controlled & primary fuse protection.

DC Power Sources: +5V, -12V, +12V, +24V selectable power supply.

Input and Output: BNC input and output, 9 & 25 pin serial ports, 12 input & 8 output relays, 16 TTL input channels, 2 analog inputs & 2 analog outputs.

Operating Temperature: 10 degrees to 40 degrees Celsius ambient.

Dimensions: 9"H x 18"D x 18"W
(22.86cm H x 45.72cm D x 45.72cm W)

Weight: 22 lbs. (10kg)

Construction: Sheet metal covered by flat panel matte finish.



Nida Corporation

Hardware Series

Nida Corporation

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