



# NIDA SPECIFICATIONS



## NIDA MODEL 5050 CONSOLE – PROGRAMMABLE LOGIC CONTROLLER

### General Description

The Nida Model 5050 trainer uses the Allen Bradley MicroLogix 1200 PLC which includes a central processing unit with built-in 24 volt power supply, external communications capability, 12 input, and 8 output relays. In addition, the digital input module contains 16 input channels that are user selectable for voltage to support a variety of monitoring and controlling applications. Two user selectable analog inputs and outputs are provided in a single slot module. The expansion chassis includes Process Control and Process circuit cards. These two circuit cards simulate an actual factory temperature control process.



### Features

- Expansion capabilities through the use of plug-in circuit boards.
- Designed for individual learning with applications in group or self-paced environments.
- Unlimited instructional versatility.
- Supports automatic, remote, and multiple fault insertion.
- Curriculum provided in both hardcopy and computer assisted instruction.
- Chassis removable to permit designs for larger processes more specific to a particular industry.
- Fully automatic operation in CAI mode.
- Self-cleaning contacts.

### 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:

18"W (45.72cm) 18"D (45.72cm) 9"H (22.86cm)

#### Weight:

22 lbs. (10kg)

#### Construction:

Sheet metal covered by flat panel matte finish.

Note: Win2000/XP or higher, RS Logix for Advanced PLC, Serial Port for trainer/computer communications.

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#### **NIDA CORPORATION**

300 S John Rodes Boulevard Melbourne FL 32904  
Phone (321) 727-2265 FAX (321) 727-2655

[www.nida.com](http://www.nida.com)