



# NIDA SPECIFICATIONS



## NIDA MODEL 360S SYSTEMS TRAINER

### General Description

The **Model 360S Systems Trainer** is designed to support the Nida systems-level computer-based training programs. These programs teach a *systems thinking* approach to troubleshooting technical systems. The 360S provides the platform for the practical exercises that demonstrate the operation and troubleshooting of generic technical systems. Students learn how inputs, processes, outputs, and feedback mechanisms of a system are analyzed to solve complex system discrepancies. The 360S comes with a basic systems card set that emulates technical systems functions to reinforce the concepts and troubleshooting principles learned throughout the basic systems program. The 360S supports a variety of systems programs including renewable energy, industrial processes, security, and biomedical technologies.



### Features

- Interfaced operation in CAI mode through student computer USB or serial port.
- Provides automatic circuit card power control and non-destructive fault insertion/removal.
- Rugged metal construction with brushed aluminium working surface.
- Basic Systems Card Set provides input, process, power supply, output, display, and feedback functions.
- Built-in connections allow signal input/transfer between card positions.
- Self-cleaning contacts to ensure a proper connection with each experiment card installation.
- Circuit Card Storage System

### Specifications

#### Primary Power:

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

#### DC Power Sources:

0 to -24 volts DC with selectable voltages and current up to 1 ampere.

0 to +24 volts DC with selectable voltages and current up to 1 ampere.

#### AC Power Sources:

Dual 12 VAC at 1 ampere maximum.

Communications Link: USB or Serial (9600 baud rate with stop bit and parity check).

Operating Temperature: 10 degrees to 40 degrees Celsius ambient.

Dimensions: 17.5"W (43.5cm) 13"D (33cm) 7"H (17.8cm)

Weight: 12.85 lbs. (5.83 kg)

Construction: Sheet metal covered by flat panel matte finish.

**Note:** USB communication requires Universal USB Host.

360S-0110

#### **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)



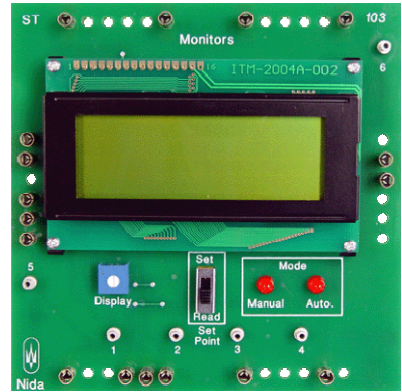
# NIDA SPECIFICATIONS



## BASIC SYSTEMS EXPERIMENT CARD SET MODEL 3600

### General Description

The Model 3600 Basic Systems experiment card set is designed to emulate a generic technical system found in industry. Students view the system from the top down using a “systems thinking” approach to analyze and solve complex system discrepancies. Students explore how a system’s inputs, processes, outputs, and feedback mechanisms are interrelated and dependent upon one another while learning how to troubleshoot a generic system based on observation, block diagram interpretation, and the use of simple test equipment. The experiment card set includes manual and automatic system controls, monitoring and indication functions, open and closed feedback loops, and outputs to a multi-function motor.



### Card Specifications

- Requires the Nida Model 360S Systems Trainer.
- Compatible with the Nida Pro ILE or SCORM 2004 packages learning content.
- Pre-assembled, turn-key circuit cards require no assembly, jumper wires, or soldering.
- Exposed components and test points provide maximum technician accessibility.
- Self-cleaning connections and contacts ensure reliability and alignment.
- Power and non-destructive faulting provided by learning content computer interface.
- Generated signals, circuit signal flow, and outputs measurable with standard electronic test equipment.
- Convenient circuit card storage container included.

### Experiment Cards

- Input – ST101
- Controls – ST102
- Monitors – ST103
- Output – ST104
- Feedback – ST105
- Indicator – ST106

Also Included:

- Storage Box

3600 Basic-0811

**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)