



# NIDA SPECIFICATIONS



## NIDA MODEL 130E CONSOLE

### General Description

The Nida Model 130E Console functions as the primary platform for electronic experiments performed in Computer Assisted Instruction (CAI) or text based curriculum. The 130E serves as a current limited power supply for Nida 130 Series printed circuit boards (experiment cards). Discrete voltages are used to activate the experiment cards allowing students to check, align, and troubleshoot operational electronic circuits using standard laboratory test equipment.



### Features

- Fully automatic operation in CAI mode through student computer USB or serial port.
- Supports automatic, manual, remote, and multiple fault insertion.
- Built-in and auxiliary connections allow signal input/transfer between card positions.
- Multifunctional bubble-press keypad controls for manual operation mode.
- Automatic alarm sounds if malfunction is detected and display panel indicates symptom.
- Built-in speaker for tone and radio signal recognition.
- 20X4 character backlit liquid crystal display shows selected mode, keypad input signals, and trainer status.
- Self-cleaning contacts to ensure a proper connection with each experiment card installation.

### 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.

DC power supply meter ranging from 0 to 25 volts.

#### **AC Power Sources:**

Dual 12 VAC at 1 ampere maximum.

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

**Display:** 20X4 backlit liquid crystal display (LCD).

**Operating Temperature:** 10 degrees to 40 degrees Celsius ambient.

**Dimensions:** 17.5"W (43.5cm) 11.5"D (29cm) 4.5"H (11.5cm)

**Weight:** 11 lbs. (5 kg)

**Construction:** Sheet metal covered by flat panel matte finish.

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

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