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:
110-130 VAC 60Hz (0.6A max) or 220-240 VAC 50/60Hz (0.3A max), 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 .83A each.

Communications Link: Serial or USB computer interface.

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

Operating Temperature:
50 to 104 degrees Fahrenheit ambient
10 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: Formed aluminum base, matte finish overlay with keypad.

Manufactured: In the USA.

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