



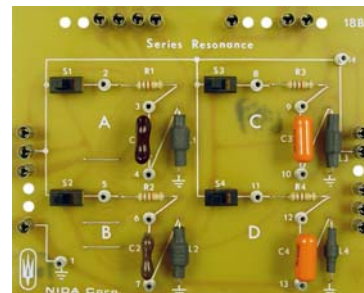
NIDA SPECIFICATIONS



BASIC AIRCRAFT ELECTRONICS EXPERIMENT CARD SET MODEL 1438B

General Description

The Basic Aircraft Electronics experiment card set is designed for use with the Nida Model 130E training console. Traditional subjects, such as DC, AC, Analog and Digital are taught as a precursor to Aircraft Maintenance Technology (Model 1438A). Each lesson has practical hands-on experiments and troubleshooting tasks that are performed on pre-assembled circuit cards. Students will be prepared for entry into Part 147 A&P programs.



Card Specifications

- Compatible with computer assisted instruction or traditional hard copy text materials.
- Pre-assembled circuits require no assembly, jumper wires, or soldering.
- Exposed components provide maximum technician accessibility.
- Push-on, pull-off connections ensure self-cleaning of contacts.
- Powered automatically by computer instruction or manual push-button action.
- Nondestructive faults activated by computer instruction or manual push-button action.
- Generated signals are measurable with standard test equipment.

Experiment Cards

- Console Familiarization PC130-CF
- Resistors PC130-1A (Optional)
- Low Voltage Measurement PC130-2
- Current Measurements PC130-4A
- Ohm's Law PC130-5
- Series Circuits PC130-6A
- Parallel Circuits PC130-8A
- Series Parallel Circuits PC130-9A
- Voltage Divider PC130-9C
- Signal Measurement PC130-10
- Bridge Circuits PC130-10A
- Capacitors/Inductors PC130-11
- Capacitive Circuits PC130-12
- Inductive Circuits PC130-13
- RC Circuits PC130-14B
- RL Filters PC130-16B

- Transformers PC130-21
- Diodes PC130-22B
- Rectifier/Filter PC130-23
- Bridge Rectifier/Filter PC130-24
- Zener Reference Regulator PC130-25
- Voltage Regulator PC130-26
- Voltage Doubler PC130-27
- Transistor Operation PC130-28
- Transistor Bias PC130-29
- FET Operation PC130-49
- Low Voltage Power Supply PC130-74
- Electrical Circuits I PC130-82
- Electrical Circuits II PC130-83
- Relay Logic PC130-84B
- PWM Switching Power Supply PC130-85A

- AND Gates PC130-102
- NAND Gates PC130-103
- OR Gates PC130-104
- NOR Gates PC130-105
- Inverters & Buffers PC130-106
- Exclusive OR Gates PC130-107
- Logic Circuit PC130-101
- Clock Pulsar PC130-111
- Clock Generator PC130-112
- Number Systems PC130-124
- Conn. Troubleshooting I PC130-W1
- Conn. Troubleshooting II PC130-W2
- Conn. Troubleshooting III PC130-W3
- Loads PC130-290
- Function Generator PC130-804

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