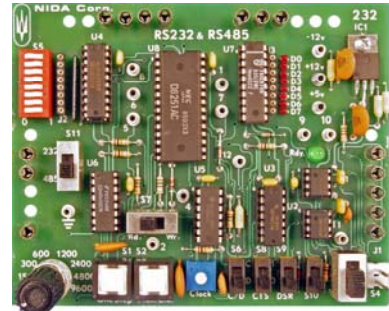# NIDA SPECIFICATIONS

AVIONICS DATA COMMUNICATIONS EXPERIMENT CARD SET MODEL 1438D

General Description

The Avionics Data Communications experiment card set is designed for use with Nida Model 130 series training consoles. Students will identify systems and instrumentation that use data communication, describe how communications systems use protocol to transfer data and observe the transmission and reception of serial data during a hands-on experiment. The electrical characteristics of both RS232 and RS485 are identified while measuring line interface voltages as data is being transferred and received. Bus systems are explored by describing the operational characteristics and actual measurement of signals.

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

- RS232 & RS485 Interface PC130-232 (2ea.)
- Digital Transmission Serial (Sender) PC130-265
- Digital Transmission Serial (Receiver) PC130-266

- Tri-State Transmission Parallel (Sender) PC130-267
- Tri-State Transmission Parallel (Receiver) PC130-268
- Digital Readout Assembly PC130-284

1438D AvionDataComm-0902

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