

Automotive Electronics Courseboard (model 1821)



The Automotive Electronics Courseboard - model 1821 is a hands-on study of basic automotive electronics that includes a Courseboard and USB drive containing the Student Manual and Instructor Guide. Also included in this courseware package is an on-site copy license to allow for the reproduction of instructional materials for use in the classroom.

The Automotive Electronics Courseboard features real fixed components and wire terminals. 12-Volt power supply not included. Does not include fault insertion capability.

Activities Include:

UNIT I - Introduction to Electronics

- Electricity to Electronics
- The Digital Multi-Meter
- Why use a DMM?

UNIT II - Introduction to Semiconductors/Diodes

- Diode Behavior
- The Diode as a Rectifier
- The Light Emitting Diode (LED)
- The Clamping Diode
- The Zener Diode

UNIT III - Transistor Circuits

- The Transistor Circuit
- The Amplifier
- Transistor Troubleshooting
- Combining Transistors

UNIT IV - More Electronics

- The Capacitor
- The Photo Resistor
- Combined Electronics

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