

The Electronics Trainer (model 1820) is an in-depth, hands-on study of automotive electronics. Provides real world troubleshooting practice and competency testing. Hands-on and Computer Based Instruction.

The internal fault board offers 14 different computer controlled hard faults.

The internal fault board communicates with the optional Interactive Keypad (1802C), • the Electronics CBI software (1820SC), or the optional ATech Lab System (ALS16) with the Classroom Management Program (CMP).



- The Electronics Trainer (1820) includes a USB drive containing the Student Manual, Instructor Guide and an on-site copy license to allow for the reproduction of instructional materials for use in the classroom.

- The Electronics CBI software (1820SC) includes an Operations Manual containing instructions for the CBI software and a detailed description of the fault capabilities.

- The Classroom Management Program (CMP) is required for the 1820SC software to operate and is sold separately

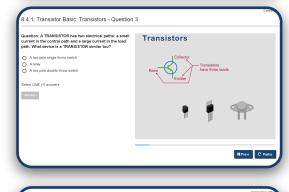




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ACTIVITY PROGRESS		TROUBLESHOOT	EXAM
D Polarity	Begin 0 / 18	0/0 Go!	Start Exam
Digital Multimeter	Begin 0 / 21	N/A	
Diode Fundamental	Begin 0 / 44	N/A	
Diode As Rectifier	Begin 0 / 35	0/0 Go!	Start Exam
Light Emitting Diode	Begin 0 / 28	0/0 Gol	Start Exam
Clamping Diode	Begin 0 / 26	0/0 Go!	Start Exam
Zener Diode	Begin 0 / 37	0/0 Gol	Start Exam
Transistor Basic	Begin 0 / 72	0/0 Go!	Start Exam
Transistor Circuit	Begin 0 / 64	0/0 Go!	Start Exam
Transistor as Amplifier	Begin 0 / 23	0/0 Gol	Start Exam



Troubleshoot: TROUBLESHOOT

Fault -> Exit Tro

← Back Ne

Electronics CBI software (1820SC)



This program consists of thirteen

student activities with animations, all desgined to present the fundamentals of automotive electronics.

Electronics CBI software Activity List:

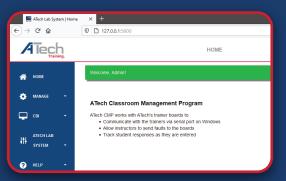
- Polarity
- Digital Multimeter
- Diode Fundamentals
- Diode as a Rectifier
- Light Emitting Diode (LED)
- Clamping Diode
- Zener Diode
- Transistor Basic
- Transistor Circuit
- Transistor as Amplifier
- Capacitors
- Photo Resistor
- Combination Electronics

Classroom Management Program (CMP)

The CMP allows an instructor to:

- Assign each student a unique I.D. number and password - Student's information can be exported into a CSV file - Student's performance is recorded to their account

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System Requirements:

- Windows 10 Professional or Enterprise (32/64 bit) (Windows 10 Education is not supported)
- Processor: 1 GHz (gigahertz) or faster
- Ram: 512MB
- Available USB port (for software installation)
- Hard Drive Space: 1820SC: 575MB and CMP: 244MB



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- The instructor can insert faults for troubleshooting



- The CMP & 1820SC uses an internet browser for its User Interface. Use one of the following browsers: - Chrome or Firefox

(Internet Explorer & Microsoft Edge are not compatible with either software)