



# DESIGNED FOR LEARNING

## Industrial Size Components

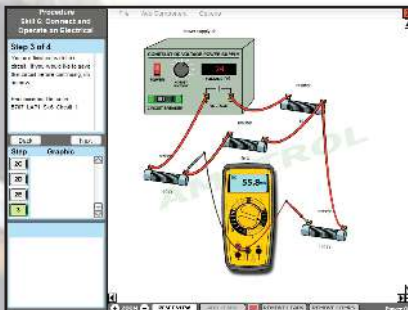
The T7017-A features industrial size electrical power and control components, typical of what students will find in the field. This experience better prepares students to recognize industrial component styles and troubleshoot them effectively. Safety is emphasized throughout. Safety devices include a 24-volt power or less, grounding and guards.



Each component's leads are attached to quick-turn terminal posts, allowing students to use leads to quickly interconnect components for a variety of circuit applications.

## Effective Component Inventory

Components are stored on a vertical storage panel with silk-screened and labeled outlines so components can easily be identified and inventoried. This makes setup quicker so students can do more in less time. Components also do not get lost as easily.



Transition from theory to hands-on is a seamless process. These skills enable students to work effectively in business settings.

## Integrated Workstation

The T7017-A workstation uses heavy-duty welded steel frame with built-in power supply, instrumentation, component mounting surface, and component storage panel. Components are mounted directly on individual panels that easily attach to the mounting surface with no special tools.

## TECHNICAL DATA

### Workstation

- Welded frame, 1.5 in. steel tube, 38" (97cm) L x 35" (89cm) H x 30" (76cm) W
- Integrated instrumentation console
- Component test surface
- Component storage panel, vertical, silk-screened outlines, 16 ga. steel integrated instrumentation console
- Power supply with 12 and 24 volt outputs, AC and DC, 3.0 Amp
- Main power on / off switch
- Power-on indicator lamp
- AC/DC power selector switch
- AC/DC power indicator lamps
- Circuit breaker
- AC/DC power output terminals for connection to devices
- Analog AC/DC voltmeter with terminals, range 0 to 30 volts

### Electrical Component Set

- Module mounting plexiglas panels (21)
- Knife switch module, DPDT
- Push button switch module, SPST
- Selector switch module, SPST
- Lamp modules, 28V @ 0.67A (3)
- Resistor modules, 25 ohm with protective cover (2)
- Resistor module, 10 ohm with protective cover
- Capacitor module, 88-106 MF, electrolytic (2)
- Control relay module, DPDT 24VDC
- Solenoid module, 24VDC
- Buzzer module, piezoelectric, 20VDC
- Fan module, 24VDC / .11A
- Circuit breaker module, 1A/277VAC
- Fuse module, 3A, 3AG, fast acting
- Rheostat module, 1A/ 25 ohm, 25 watt
- Transformer module, 9.6VA
- Transformer load module with 2 resistors, 220 ohm, 5 watt
- Compass module

### Lead Set

- Test leads, spade-to-spade connections, 24-in. length (10)
- Test leads, spade to banana, 24-in. length (4)
- Multi-meter test cord set, red (1), black (1)

### Hand Held Instrumentation Set

- Neon circuit tester (90-300V)
- Multimeter

### Student Learning Activity Packet Set, BB227 Teacher's Assessment Guide, CB227

### Additional Required Items:

- PC – Windows XP or higher, see <http://www.amatrol.com/support/computer-requirements>
- One of the following Amatrol mobile workstations or equivalent models: 82-609, 82-610, or 82-611