Virtual Electrical Circuits Trainer

This interactive simulator enables students to build their own circuits using any combination of electrical components.

Circuits can be operated and multimeters can be used to test voltage, current and resistance.

The library of components includes batteries, switches, lamps, resistors (fixed and variable), capacitors, fuses, circuit breakers, buzzers, heaters and motors.

Circuits can be viewed and built in either a component view or a schematic view.

The component library contains:

**Batteries**
- 1.5V, 6V, 9V and 12V

**Switches**
- Push to make
- Push to break
- On-Off
- Two position, single pole
- Three position, single pole
- Three position, double pole
- Thermal
- Relay

**Lamps**
- 6V, 5W clear
- 12V, 10W clear
- 12V, 20W clear
- 12V, 20W red
- 12V, 20W yellow
- 12V, 20W blue

**Resistors**
- 10Ω, 5W
- 50Ω, 5W
- 100Ω, 5W
- 500Ω, 5W
- 1kΩ, 5W
- 5kΩ, 5W
- 10kΩ, 5W

**Variable Resistors**
- 10Ω
- 25Ω
- 50Ω
- 100Ω
- 1kΩ
- 10kΩ

**Capacitors**
- 500µF
- 1mF
- 5mF
- 50mF
- 100mF
- 500mF
- 1F

**Fuses**
- 0.5A, 1A, 1.5A, 2A, 3A, 4A, 5A, 7.5A, 10A

**Circuit Breakers**
- 0.5A, 1A, 5A, 10A

**Miscellaneous**
- 6V Buzzer
- 24V, 200W Heater
- 12V, 15W Motor

**Order as:**
- VELEC1/SL Virtual Electrical Circuits Trainer
- Site License

User Guide

The simulator includes a user guide, which explains how to build and test the electrical circuits.

Minimum Computer Requirements
- Windows® 2000 or later
- 50 MB free hard disk space
- Flash Player v9 or later (supplied on CD)

Languages Supported
- English (US)
- English (GB)
- Spanish