



The CL-1919-05 Ohm's Law & DC Circuits trainer is a self-contained educational learning system designed to assist instructors in teaching students basic electrical and electronic theory. It is designed to help teach Ohm's Law basics as well as demonstrating common electrical system components and circuit operation. A student project manual provides circuit construction and learning assignments designed to help students learn. The trainer is protected with a removable metal cover. The case features a carrying handle and has internal storage for jumper test leads and power cord.

EDUCATIONAL ADVANTAGES:

- Self-contained package with built-in internally protected power supply;
- Student project manual provides learning assignments for circuit construction and understanding;
- Built in DMM (Digital Multi-Meter) for electrical measurements and diagnosis;
- Can be used to assist the instruction of operational theory of electrical/electronic circuits and components;
- Meets many of the Electrical/Electronic tasks for NATEF, Alberta and Red Seal curriculums.

FEATURES:

- Requires 120VAC to operate, outputs 2-14VDC (4A max)
- Panel mounted Digital Readout showing trainer DC voltage
- Hinged and removable top cover
- Built in DMM (Digital Multi-meter) display with accessible external meter fuse
- Meter is powered by the trainers power supply. (no batteries)
- Adjustable 2KHz pulse width modulation generator (0-100%)
- The following electrical components are included:
 - 2- #194 Light bulbs (removable)
 - 1- #3157 Light bulb (removable)
 - 1- #2726 LED bulb (removable)
 - 1- Buzzer
 - 2- Transistors (NPN and PNP)
 - 1- Diode
 - 1- Motor
 - 1- ISO 5-pin relay
 - 1- Electronic flasher
 - 1- 75Ω Potentiometer
 - 5- Resistors (1-2Ω, 2-20Ω, 1-40Ω, 1-100Ω)
 - 1- Fuse (removable)
 - 1- SPST Toggle switch
 - 1- N.O. Push button switch
- Each component has circuit connection receptacles for jumper wire hookup
- Included are test jumper wires, power cord and meter test leads
- Includes a comprehensive user's manual with student activity assignments which cover basic electricity, Ohm's Law principles, digital multi-meter set-up, use and interpretation, electrical component operation, and DC circuit construction and operation. Additional manuals available at no charge after trainer purchase at www.consulab.com
- Manual contains competence measuring tests to evaluate student comprehension.

TECHNICAL INFORMATION:

- 120VAC, 2-14VDC 4A regulated and protected power supply (adjustable)
- Built-in DMM (no batteries) with external meter fuse
- Adjustable 2KHz pulse width modulation generator (0-100%)
- All components internally protected from excessive current due to connection errors by students
- Dimensions: Height: 6" Width: 22" Depth: 22" (15 x 55 x 55 cm)
- Weight: 22 lb (10 kg)

NOW AVAILABLE AS A CLASSROOM PACKAGE OF OHM'S LAW AND DC CIRCUITS TRAINERS (53205)

The package includes the following components:

- 53044 Twelve (12) CL-1919-05 Ohm's Law and DC Circuits Trainers
- 53154 One (1) CL-1919-05-12 Storage Cabinet
- 04542N Ten (10) extra Red Jumper Leads (20 in / 50 cm)
- 04517N Ten (10) extra Black Jumper Leads (20 in / 50 cm)
- 02056 Twelve (12) extra Fuses (200 mA, 250 V)
- 02697 Twelve (12) extra #194 Light Bulbs (L1 & L2)
- 02711-1 Twelve (12) extra #3157 Light Bulbs (L3)
- 02726 Twelve (12) extra #2726 LED Bulbs (D1)



NON CONTRACTUAL PICTURE