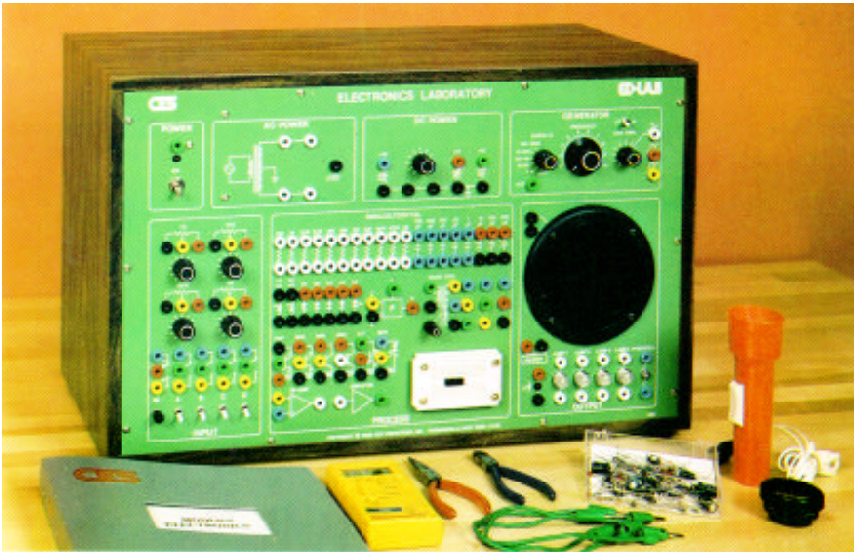




# Technology Training Lab Electronics Ed-Lab 500



**EXPLORATORY**

**INTRODUCTORY PROGRAMS**

**TECHNOLOGY EDUCATION**

**BASIC CORE FOR ELECTRICITY AND ELECTRONICS**

## THE STARTING POINT FOR ALL ELECTRONICS

## OUTSTANDING FOR INSTRUCTORS WHO HAVE NOT TAUGHT ELECTRONICS BEFORE

The Ed-Lab 500 is a complete rugged system for teaching the introduction to both electricity and electronics subjects in an easy to use and easy to understand manner.

The unit is self-contained including instrumentation; DC Power Supplies and AC Power, a calibrated signal generator, as well as all components, resistors, inductors, capacitors, potentiometers, switches, lamps, buzzer, transistors, diodes, and more.

All components are permanently mounted so they cannot get broken or lost and all instruments and parts are protected against being burned out due to any incorrect wiring on the panel.

An external digital multimeter is included for DC, AC and Ohms measurements. Experiments use competency based student manuals and are very interesting and demonstrate concepts in an exciting manner. All experiments are clearly written with minimum math initially and can be performed in a single class period, and include a discussion, procedure, and assignments.

Students work with hands-on wiring of their own circuits with actual mounted electronic components where parts do not get lost and will not burn out.

Individual optional breadboards and tools are also used by students for other skills with tools and components assemblies.

- Self-Contained & Rugged
- Easy-to-Manage
- Parts will not burn out
- Available in console or portable suitcase



## From Individual Trainer Completely Installed Classroom

CES provides and installs complete labs with student furniture, test instruments, skill projects, computers, and all manuals of instruction for students and teachers.

## TOPICAL COVERAGE INCLUDES

- |                                |                               |
|--------------------------------|-------------------------------|
| Electrical concepts            | Capacitors                    |
| Basic circuits                 | Inductors                     |
| Switches and Lamps             | Rectifiers and Power Supplies |
| Resistances and Potentiometers | Amplifiers                    |
| Buzzers, Loudspeaker           | Audio and Radio               |
| Transistors, various types     | Audio systems                 |
| Diodes and circuits            | Radio systems                 |
| Meters and Measurements        | Filter circuits               |
| Current Laws                   | Magnetism and Motors          |
| Voltage Laws                   | Transformers                  |
| Resistance Laws                | Ohm's Law                     |
| AC Current                     | Integrated circuits           |
|                                | Digital and Logic circuits    |

Some topics require add-on modules.

## SUPPORT FOR PLANS & PROPOSALS TOTAL SERVICE TO CUSTOMERS

CES can prepare for your consideration a complete proposal presenting a program tailored to your needs including equipment lists and budgetary costs for a rugged and economical system.

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