



# Digital Systems Trainer

## Ed-Lab 702



**PROGRAMS USED IN**  
**DIGITAL ELECTRONICS**  
**MICROPROCESSORS**  
**COMPUTERS & CONTROLS**  
**COMMUNICATIONS**  
**INDUSTRIAL ELECTRONICS**  
**AVIONICS**  
**INSTRUMENTATION**

THE ED-LAB DIGITAL-SYSTEMS TRAINING SYSTEMS ENABLE STUDENTS TO PERFORM HUNDREDS OF EXPERIMENTS FROM BASIC DIGITAL LOGIC TO ADVANCED MICROPROCESSORS.

CES's HANDS-ON EASILY MANAGED LABORATORY RESULTS IN A SUCCESSFUL PROGRAM.

PROTECTED AGAINST DAMAGE TO ANY COMPONENTS.

STUDENTS LEARN IC SKILLS AND KNOWLEDGE, PROBLEM SOLVING AND SYSTEM EXPERIMENTS WITH COMPETENCY-BASED SOFTWARE.

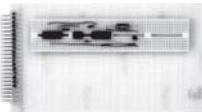
### INTEGRATED CIRCUIT SKILLS

The Ed-Lab Trainer IC Socket enables the connections of a variety of loose IC's, which are provided, and their operation in a system with many logic elements wired on the trainer.



### OPTIONAL ADD-ONS SOLDERLESS BREADBOARD STUDENT PROJECTS

The PC Socket on the Ed-Lab Trainer provides for use with optional add-on breadboard and PC projects to develop skills with components and tools.

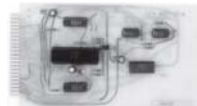


### COMPONENTS PROTECTED AGAINST DAMAGE

The Ed-Lab Trainer is designed so that components will not burn-out due to any incorrect wiring on the panel.

### MICROPROCESSOR OPTIONAL ADD-ON CES 381

The Ed-Lab Trainer PC Socket accommodates the optional CES 381 Microprocessor Module to teach the techniques and concepts of microprocessors. This module contains the Z-80 MPU, RAM, and other ICs and interfaces with the Ed-Lab input switches, keyboard, display and control logic.



### SUPERIOR STUDENT SOFTWARE

Easy to use and understand Text, Descriptions, and Lab Experiments.

### FROM INDIVIDUAL TRAINERS TO A COMPLETELY INSTALLED CLASSROOM

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

### TOPICAL MATERIAL

Basic Digital Concepts  
Logic Gates and Techniques  
Binary Numbers  
Arithmetic Techniques  
Sequential Systems  
Counters and Registers  
Integrated Circuits  
Troubleshooting  
Conversion Techniques  
Digital Logic Circuits  
Digital Systems  
Multiplexer/Demultiplexer  
Encoders/Decoders  
Computer Circuits  
Memories  
Microprocessors (optional add-on)

### 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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