

TRAINING COURSES AND PROTOTYPING

Basic Electronic Experiments **Model PK-101**

Transforms any Standard Breadboard into an Electronic Learning Center!

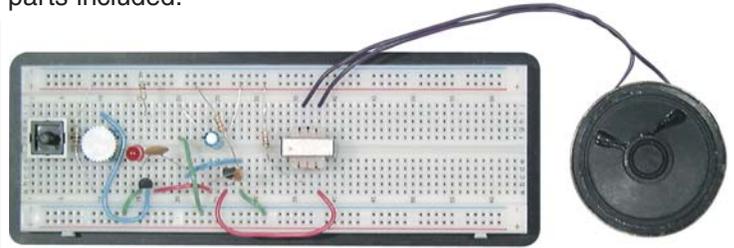
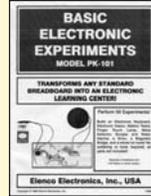
Perform 50 Experiments

- Electronic keyboard
- Water alarm
- Finger touch lamp
- Electronic kazoo
- Battery tester
- Magnetic bridge
- Voltmeter
- Morse code

* And a Lot More! *

The experiments in Model PK-101 require a breadbox (version PK-101B) or can be done on the Elenco™ XK-150, XK-550 or XK-700 Trainers. No soldering or tools required, all parts included.

72 Page Manual Included



Ordering Information:

Model PK-101: Includes 72 page manual and all parts to perform 50 experiments.

Model PK-101B: Same as PK-101, but includes our 9830 Breadbox (shown on page 6 and a 9V battery).

Basic Electronics with Computer Interface

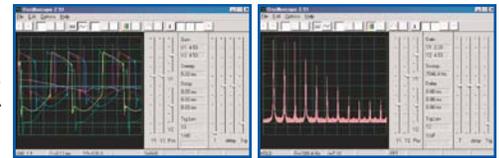
Model PK-201

Over 50 Experiments

- Audio amplifiers
- Oscillators
- Siren
- Space gun
- Burglar alarm
- Speaker microphone

* And a Lot More! *

Computer interface turns your PC into an oscilloscope and spectrum analyzer. See visually how oscillators and amplifiers work. Analyze your own voice on the monitor.



Sample Screen in Oscilloscope Mode.

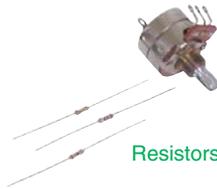
Sample Screen in Spectrum Analyzer Mode.

Requires one (1) 9V battery (part # 590009) or power supply.

Before You Learn Electronics, Learn About Electronic Components!

Model ECK-10

28 page manual with dozens of illustrations includes detailed descriptions of all parts, their functions in a circuit, color codes, and five self tests.



Resistors



Capacitors



Coils



Semiconductors



Others



Transformers

Over 50 Parts Come with the Course!

Basic Parts Kit

Model CK-1000



Plastic Parts Container

11" x 7" x 1 1/2" - 18 divisions

Resistors: 1/4W - 5 each

10Ω, 100Ω, 470Ω, 1kΩ, 2.2kΩ, 4.7kΩ, 8.2kΩ, 10kΩ, 18kΩ, 27kΩ, 47kΩ, 82kΩ, 100kΩ, 220kΩ, 330kΩ, 470kΩ, 1MΩ

Electrolytic Capacitors: 50V Radial - 2 each

1μF, 4.7μF, 10μF, 47μF, 100μF, 470μF, 1000μF

Mylar Capacitors: 100V Radial DIP - 2 each

.001μF, .0047μF, .01μF, .047μF, .1μF, .33μF

Ceramic Disc Capacitors: 500V - 2 each

2.2pF, 4.7pF, 10pF, 1pF, 22pF, 47pF, 100pF, 220pF, 470pF, 680pF

Inductors: 1 each

4.7μH, 10μH, 47μH, 100μH, 470μH, 1mH, 10mH, 33mH

Trimpts: Single Turn - 1 each

500Ω, 1kΩ, 5kΩ, 50kΩ, 100kΩ, 500kΩ, 1MΩ

Switches: 2 each

Push-button, SPDT slide, DPDT slide, 8-position DIP

LEDs: Standard T 1 3/4 size - 5 each

Red, green, yellow

Displays: 2 each

7-segment common cathode, 7-segment common anode

Integrated Circuits: 2 each

7805, 7812 regulators, LM386 audio amp, 555 timer, 741 Op-amp, 74LS00, 74LS02, 74LS08, 74LS10, 74LS47, 74LS74, 74LS86, CD4013, CD4017

Transistors: 2 each

PN2222, PN2907, 2N3055, 2N3904, 2N3906, 2N5457

Diodes: 2 each

1N4148, 1N4001, 1N34, 1N4728, 1N4733, 1N4739, 1N4743, 1N4747

Miscellaneous:

25' 22AWG Hook-up wire, Alligator lead sets (red and black), 5V DIP relay, Photo cell, Microphone, Speaker, Buzzer, 9V battery snap, 1.5A 100V bridge, 4A 200V SCR



Hook-Up Wire on Spools

#22 Gauge Solid 25ft.

Black	Part #: 884410
Red	Part #: 884420
Yellow	Part #: 884440
Green	Part #: 884450
White	Part #: 884490

#24 Gauge Stranded 25ft.

Black	Part #: 885210
Red	Part #: 885220
Yellow	Part #: 885240
Green	Part #: 885250
White	Part #: 885290

Solder - 63/37 rosin core .032" dia.

1lb. spools part #: 551135-1LB

Wire in 1,000 and 5,000 ft. spools (20, 22, and 24 gauge) solid or stranded - all colors - available upon request.

Resistor Kit

365 Total Pieces **Model RK-365**



Contains five (5) each of 73 standard values from 1Ω to 1MΩ, 1/2W.