

ETRON CIRCUIT LABS

SK ETC1L ETRON CIRCUIT LABS KIT - THE BASICS



This lab is a hands-on experiment lab to help you learn electronics. You will make many electronic circuits and learn how 40 exciting labs work.

This kit includes everything needed to complete all 40 labs:

- (1) Basics 88-Page Manual- ETCM1 • (1) Basics Parts Bag- ETCP1 • (1) Solderless circuit board- CB111 • (1) 9-volt battery- SK9VB
- See manual (below) for labs in this series.
Recommended Controller: 12V-3A

SK ETCM1 ETRON CIRCUIT LABS 40 MANUAL



Basics 88-Page, Full-color manual with 40 labs.

LABS IN THIS SERIES

- #1 - Basic Electronic Circuits • #2 - Resistor Color Codes • #3 - Solderless Circuit Board • #4 - Reading Capacitor Values • #5 - Intro to Resistors • #6 - Intro to Potentiometers • #7 - Intro to Photocells • #8 - Intro to Capacitors • #9 - Intro to Speakers • #10 - Intro to Diodes • #11 - Intro to SCRs • #12 - Intro to NPN Transistors • #13 - Intro to PNP Transistors • #14 - Transistor / Oscillator • #15 - 555 Integrated Circuit • #16 - Dual Burglar Alarm • #17 - Automatic Night Light • #18 - DC to DC Power Supply • #19 - Electronic Metronome • #20 - Electronic Motorcycle • #21 - Railroad Crossing Lights • #22 - Variable Speed Lights • #23 - Continuity Tester • #24 - Audio Generator • #25 - Police Siren • #26 -

These kits are hands-on experiment labs to help you learn electronics. The Basics curriculum will introduce you to each electronic component such as resistors, transistors, SCRs, LEDs,

capacitors, diodes, potentiometers, 555 timer IC, photocells, wires and more....learn how to connect different components together to build complete functional circuits.

- Screaming Box • #27 - Variable Timer • #28 - Moisture Detector • #29 - Morse Code Oscillator • #30 - Nose Beeper • #31 - British Siren • #32 - Insanity Alarm • #33 - Electronic Organ • #34 - Ohm's Law • #35 - Resistors in Series • #36 - Resistors in Parallel • #37 - Measuring Voltage • #38 - Watt's Law • #39 - Kirchhoff's Voltage Law • #40 - Kirchhoff's Current Law

SK ETCL ETRON CIRCUIT LABS 14- THE BASICS LITE



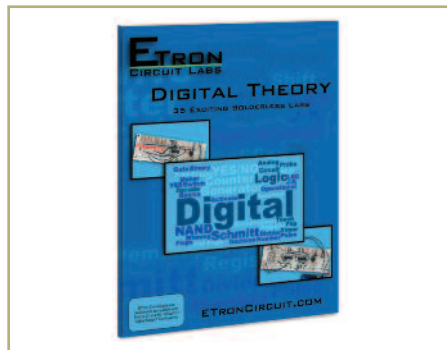
The Basics Lite by Etron Circuit Labs features 14 of the most advanced Labs from The Basics curriculum.

The Basics Lite include the manual and all components necessary to complete all Basics Lite project: (14) Resistors, (2) Disc Capacitors, (3) Electrolytic capacitors, (1) Potentiometer, (1) SCR, (2) Red LED, (1) Photocell, (1) 9-Volt Battery snap, (14) 4" Black wire, (1) Timer integrated circuit, (1) N/O Pushbutton switch, (1) Transistors, (1) Speaker, (1) 9-Volt battery, (1) Solderless circuit board

LABS IN THIS SERIES

- #1 - Automatic Night Light • #2 - Electronic Metronome • #3 - Electronic Motorcycle • #4 - Variable Speed Lights • #5 - Audio Generator • #6 - Police Siren • #7 - Screaming Box • #8 - Variable Timer • #9 - Moisture Detector • #10 - Morse Code Oscillator • #11 - Nose Beeper • #12 - British Siren • #13 - Insanity Alarm • #14 - Electronic Organ

SK ETCM2 DIGITAL THEORY - MANUAL



Digital Theory by Etron Circuit Labs is Electronic Education Curriculum designed for the 21st century student. Featuring 35 exciting Labs, Digital Theory picks up where The Basics leaves off teaching the necessary Digital Theory needed to be competitive in a technology based job market.

SK ETC2L DIGITAL THEORY - COMPLETE LAB

Digital Theory by Etron Circuit Labs is Electronic



Education Curriculum designed for the 21st century student. Featuring 35 exciting Labs, Digital Theory picks up where The Basics leaves off teaching the necessary Digital Theory needed to be competitive in a technology based job market. Complete Lab includes Digital Theory manual (ETCM2), Digital Theory parts kit (ETCP2), Solderless Circuit Board (CB222) and 9-Volt Battery (SK9VB)