GENECON KIT with Manual

N99-B-2637

$495

The comprehensive GENECON KIT is designed for students to conduct 24 hands-on experiments using the GENECON generator. This kit comes complete with the accessories needed to cover many subjects, from basic electrical theory to energy conversion and electromagnetism. Let your students learn first-hand about the principles of electrical generation and flow, circuit types, energy conversion and storage, resistance, and electromagnetic induction. This kit is suitable for junior high and high school students.

The **GENECON KIT** includes two GENECONS and a host of accessories.

ACTIVITIES

- Getting to know your GENECON
- Testing polarity
- Generator or motor
- Energy "loss"
- Conductor or insulator
- Mystery circuit boxes
- Bulbs in series
- Bulbs in parallel
- Variable resistor
- The thermal effect
- Short circuits and fuses
- Magnetism
- Current detector
- The motor effect
- Let's make a motor
- Motor manipulations
- Measuring "work"
- Energy storage
- Lead-acid storage battery
- An unexpected storage cell
- Electromagnetism
- Salt water electrolyte
- Electrolysis of water
- Electroplating

GENECON Hand Generator

$49

N99-B10-2631

The GENECON Generator is a convenient and portable direct current generator geared for experiments involving electricity and magnetism. This instrument is capable of generating 6V DC with polarity determined by the direction of the rotation of the handle. It is constructed of transparent acrylic resin to allow clear observation of the internal structure. The GENECON produces approximately 200mA of usable current. You can reverse polarity by simply cranking the handle in the opposite direction. When connecting one GENECON to another or to a low power source, it will act as a motor.

GENECON IN THE CLASSROOM

Elementary and Middle School

Students will learn how to apply the GENECON and design simple series and parallel circuits using components such as wires, batteries, and light bulbs.

High School

Students will learn to analyze the relationship between an electric current and the strength of its magnetic field using simple electromagnets. Students can investigate and compare series and parallel circuits.

College

Students can review sophisticated principles, such as Ohm's Law and the electromagnetic properties of light using the GENECON.

ACCESSORIES

- Output Cord w/Alligator Clips
- A/B Identification Stickers

SPECIFICATIONS

Construction: Transparent Blue ABS Resin
Dimensions: 140x114x39mm
Weight: 115g

REPLACEMENT **GEAR SET** (L,M,S)

N99-B10-2631-LMS

$7

Large, Medium, and Small Gears.

REPLACEMENT **CORD** for GENECON

N99-B10-2631-50

$7

Cord with Alligator Clips