

Electricity and Electronic Kits

Educational Training Equipment for the 21st Century

Bulletin 281-1H

Hampden H-ELP-1 Electronics Learning Program

The Hampden **Model H-ELP-1** Electronics Learning Program shall include all of the necessary electronic components, as well as the power and metering equipment, necessary to perform the 39 experiments in the Student Manual.

Each unit includes a 5V DC power supply, pushbutton and toggle switches, potentiometer, resistors, lamp sockets with lamps, light-emitting diodes, DC motor, transistors, relay, capacitor, digital integrated circuits, solar cell, volt-ohm-milliammeter, interconnecting and test leads, Velcro work surface, and one copy of "Exploring Electronic Technology" student experiment manual. All of the equipment shall be housed in a sturdy, convenient carrying case with two locking latches.

Electrical and electronic components shall be mounted on phenolic bases with the component leads soldered to studs secured to the base. Circuits are connected with insulated cords terminating in Hampden's patented

NU-WAY snap connectors, which provide a firm, low-resistance grip on the studs and are capable of stacking. All mounted components are designed to adhere to a Velcro surface and have the capability of staying affixed to the work surface, in any Position.

The experiment topics covered in Exploring Electronics Technology include the following:

Familiarization
Capacitors
Voltage, Current, Resistance
Solar Cells
Series and Parallel Circuits
NOT, AND, OR Logic
Potentiometers and Rheostats
NAND, NOR, XOR Logic
Relays and Motors
NAND, R-S Latches
T Flip-Flop
Transistors
Gated R-S,
D Flip-Flops; Decoder



Model H-ELP-1 is shown
Dimensions: 13"H x 16"W x 5"D
Shipping Weight: 35 lb.

The Hampden **Model H-ELP-1** is also available with components arranged on a metal storage tray for in-drawer storage or cabinet storage.

To order, designate:

H-ELP-1 with carrying case
H-ELP-1-C with steel storage cabinet
H-ELP-1-D for drawer storage.
Digital Multimeter, add suffix-DDM

All Hampden units are available for operation at any voltage or frequency

Hampden
ENGINEERING CORPORATION

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