Computer-Aided Electronics Programs

Complete Computer Aided Instruction Kits (CAI)

ISO 9001:2015

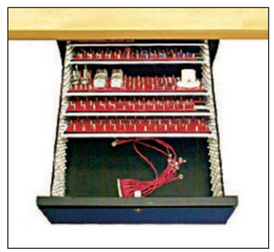
Hampden® ENGINEERING CORPORATION

MADE IN U.S.A.

Hampden Engineering Corporation

Computer Aided Instruction Kit

Electricity & Electronics Training from a Leader in Educational Training Equipment

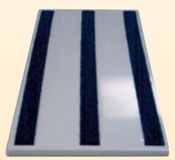


Hampden Solderless Hardware Kits

- **All Components Pre-Mounted for Fast Assembly**
- **Coordinated to Glencoe/McGraw-Hill Experiments**
- **No Soldering – Snap Leads to All Components**
- **Secure Set-ups on Velcro® work surface**
- **Steel Storage Trays & Lockable Case**

Each Hampden solderless electricity & electronics kit comes complete with all the components needed to successfully complete the experiments in a related Glencoe/McGraw Hill program of study.

Simplicity, Ease of Use & Durability! Each component is permanently mounted to a sturdy Velcro® backed plastic base and fitted with quick-connect terminals. This preferred system allows for the very fast assembly, disassembly and experimentation of circuits using the supplied Velcro work board. All components are stored on Velcro-covered steel sliding trays and stored in a lockable portable cabinet (Drawer storage systems are also available). We supply the total program—lockable cabinets, lab experiment components, breadboarding apparatus, interconnecting leads, student experimental manuals and optional computer assisted instruction software.



Coordinated to Glencoe/McGraw Hill Courseware

Hampden Engineering is a leading manufacturer of high quality educational training tools and laboratory equipment worldwide. We developed these training kits to match the Glencoe/McGraw Hill Courseware study programs used in today's modern technical, vocational and pre-vocational labs.

Hampden Coordinated Hardware Kits

Basic Electronics
Model H-CAI-BE — All components for Grob's *Basic Electronics*

Electricity: Principles & Applications
Model H-CAI-EE — All components for Fowler's *Electricity: Principles & Applications*

Electronic Communication Systems
Model H-CAI-ECS — All components for Frenzel's *Electronic Communication Systems*

Electronics: Principles & Applications
Model H-CAI-EL — All components for Schuler's *Electronics: Principles & Applications*

Digital Electronics
Model H-CAI-DE — All components for Tokheim's *Digital Electronics*

H-CAI Series Courseware

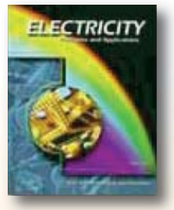
Curriculum Matched • Self Paced • Interactive • Student Tracking • Test Generator • Lab Reviews

Grob

Basic Electronics

DC/AC circuits, Network Theorems, Measurements, Filters, Magnetism, Resonance, Solid-State Electronics, Transistor Amplifiers and Integrated Circuits as well as Digital Electronics

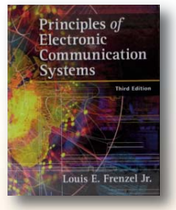
Fowler



Electricity: Principles & Applications

Basic Circuits, Components, Complex Circuit Analysis, Magnetism, AC Voltage, Capacitance, Inductance, transformers, RCL circuits, Electric Motors and Instrumentation

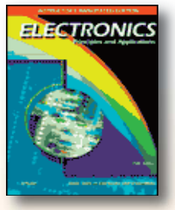
Frenzel



Electronic Communication Systems

Fundamentals of Electronics, Amptitude Modulation & Demdulator Circuits, Frequency Modulation, FM Circuits, Digital Communication, Radio Transmitters, Receivers, Multiplexing & Demultiplexing, Communication Systems, Intro to Networking and Local-Area Networks, Transmission Lines, Antennas & Wave Propagation, Internet Technologies, Electronic and Microwave Communications, Satellite & Optical Communications, Telecommunications, Cell Phone & Wireless Technologies, Communications Tests and Measurements

Schuler



Electronics: Principles & Applications

Semiconductors, OP Amps, Linear Integrated Circuits, Switching Power Supplies, Transistor as Switches, Switch Mode Amplifiers, Direct Digital Synthesis, Digital Signal Processing

Tokheim

Digital Electronics

A concise explanation of TTL circuits. Lab experiments introduced are comprehensive in scope, providing a solid grounding in basic digital theory, circuit simplification and design techniques

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Standard Products…Designed to Meet Your Growing Needs!

Hampden Computer Aided Instruction Kits

Hampden is committed to providing industry-leading technology.

For the latest from Hampden, visit our home page at http://www.hampden.com or e-mail us at sales@hampden.com

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