

HVAC INDUSTRY LEARNING SYSTEMS



Centrifugal Pump Learning System
(950-PM1 plus options)



Air Conditioning / Heat Pump Troubleshooting Learning System
Connected to the Environmental Applications Learning System



Steam Systems 1 Learning System
(950-SH1)



Basic Pneumatics Learning System with Intermediate
and Advanced Options (850-P1 plus options)



Thermal Science Learning System
(T7081)



Industrial Electrical Wiring Learning System
(85-MT6)

HVAC Industry Learning Systems Continued On Back →

SKILLS FOR CAREER SUCCESS

Key Learning Areas:

- HVAC Industry Skills
- Process Control and Instrumentation
- Pumps, Piping, and Steam
- Electrical and Electronics
- Motors and Generators
- Electrical Motor Control
- Programmable Logic Control
- Fluid Power
- Rigging
- Welding

Amatrol offers a wide array of HVAC Industry Learning Systems that enable students to develop technical skill breadth and depth in all areas of HVAC Industry technology. Mechanics, installers, technicians, and engineers all apply sophisticated technology to bring a broad array of HVAC solutions to industry and residences alike. Technological innovation in building design and energy conservation is driving an unprecedented level of industry change. The challenges faced by the HVAC Industry are many and varied, requiring workers to comprehend and apply a wide knowledge breadth across many areas.

The demand for knowledgeable HVAC Industry workers is high and forecasted to remain strong. New workers must be able to successfully interact with increasingly sophisticated systems as the HVAC Industry transforms to meet new, sophisticated market demands. Amatrol combines basic knowledge with applied, hands-on skills to enable learners to develop the skills needed in modern HVAC Industry. Amatrol's HVAC Industry Learning Systems are comprehensive, offering strong curriculum, equipment and multimedia to help instructors create those teachable moments where students grasp HVAC Industry concepts and how to really work with them.

AMATROL®

www.amatrol.com

HVAC INDUSTRY LEARNING SYSTEMS

See Your Local Amatrol Sales Representative for More Information About Any of These HVAC Industry Learning Systems:

HVAC Learning Systems

- Thermal Science Learning System (T7081)
- Air Conditioning / Heat Pump Learning System (T7082)
- Air Conditioning / Heat Pump Troubleshooting Learning System (T7082-A)
- Environmental Applications Learning System (T7803)
- Pneumatic System Construction Learning System (94-PFC-1)

Process Control / Instrumentation

- Level and Flow Process Control Learning System (T5552)
- Ultrasonic Level Learning System (T5552-L1)
- Smart Flow Transmitter Learning System (T5552-F1)
- Temperature Process Control Learning System (T5553)
- Data Acquisition Learning System (T5553-R4)
- pH Process Control Learning System (T5554)

Pumps, Piping, and Steam

- Steam Systems 1 Learning System (950-SH1)
- Piping Learning System (950-PS1)
- Centrifugal Pump Learning System (950-PM1)
- Multiple Pump Learning System (95-PM1-A)
- Turbine Pump Learning System (95-PM1-B)
- Diaphragm Pump Learning System (95-PM1-C)
- Peristaltic Tubing Pump Learning System (95-PM1-D)
- Piston Pump Learning System (95-PM1-E)
- Gear Pump Learning System (95-PM1-F)
- Magnetic Pump Learning System (95-PM1-G)
- Centrifugal Pump Learning System (95-PM1-H)

Electrical and Mechanical

- AC / DC Electrical Learning System (T7017)
- Industrial Electrical Wiring Learning System (85-MT6)
- Commercial Electrical Wiring Learning System (T7020)
- Electrical Power Distribution Learning System (85-MT7)
- Electric Relay Control Learning System (90-EC1-A)
- Computer Control 1 Learning System (90-CT1)
- Mechanical Drives 1 Learning System (950-ME1-SB)

Motors and Generators

- Basic Electrical Machines Learning System (85-MT2)
- DC Generators Learning System (85-MT2-B)
- Alternator/Synchronous Motor Learning System (85-MT2-C)
- Wound Rotor Learning System (85-MT2-D)

Electrical Motor Control

- Electric Motor Control Learning System (85-MT5)
- Fault Troubleshooting System (890-FTS-1)
- Motor Braking Learning System (85-MT5-A)
- Reduced Voltage Starting Learning System (85-MT5-B)
- Variable Frequency AC Drive Learning System (85-MT5-C)
- Electronic Sensors Learning System (85-MT5-D)
- Electronic Counter Learning System (85-MT5-E)
- SCR Speed Control Learning System (85-MT5-F)

Programmable Control Logic (PLC)

- PLC Troubleshooting Learning Systems. Application panels include: IO Simulator, Operator Station, External Interface, Electro-Mechanical, Electro-Pneumatic, BCD/LED.
 - Allen-Bradley Control Logix
 - Allen-Bradley SLC500 (AB500 - AB505)
 - Allen-Bradley PLC (AB PLC5)
 - Siemens S7 (S7312, S7315)
 - Modicon Quantum
 - Modicon 984

Fluid Power

- Basic Pneumatics Learning System (850-P1)
- Intermediate Pneumatics Learning System (85-IP)
- Advanced Pneumatic Learning System (85-AP)
- Electro-Fluid Power Learning System (85-EF)
- Electro-Hydraulics Learning System (85-EH)
- Electro-Pneumatics Learning System (85-EP)
- Pneumatic Troubleshooting Learning System (950-PT1)
- Basic Hydraulics Learning System (850-H1)
- Intermediate Hydraulics Learning System (85-IH)
- Advanced Hydraulic Learning System (85-AH)
- Electro-Fluid Power Learning System (85-EF)
- Hydraulic Troubleshooting Learning System (950-HT1)
- Advanced Hydraulic Learning System (950-HT1-A)

Rigging

- Rigging 1 Learning System (950-RG1)
- Rigging 2 Learning System (95-RG2)

Welding

- Welding Technology Learning System (950-WT1)

SkillPro Advantage Skill Management (94-CMS-2)



Electrical Machines Learning System with DC Generators, Alternator/Synchronous Motors and Wound Motors (85-MT2, B-D)



PLC Learning Systems (Allen-Bradley, Siemens) that can include Amatrol's Unique Automatic Fault Insertion



Piping Learning System (950-PS1)



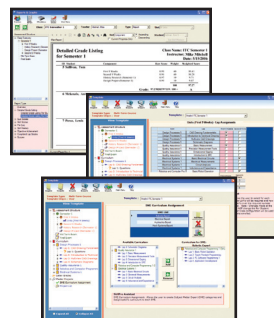
Mechanical Drives 1 Learning System (950-ME1-SB) with Vibration Analysis



Rigging Learning System (950-RG1)



Electrical Motor Control Learning System with Motor Braking and Electronic Counter Options



SkillPro Advantage for Skill Assessment (94-CMS-2)



Level and Flow Process Control Learning System (T5552)

