

WORLD-CLASS SKILLS TRAINING

Amatrol offers a comprehensive, in-depth selection of portable training solutions, including Motor Drives, PLCs, Hydraulics and Pneumatics, Mechanical Drives, and more. These learning systems provide portable alternatives that feature all of the skills of our traditional learning systems, but with a remarkably small footprint. Our portables allow learners to gain hands-on skills with real-world, industrial components and include Amatrol's world-class multimedia curriculum.

ELECTRICAL

AC/DC Electrical (990-ACDC1)	AC/DC Voltage and Current Principles; Resistance, Inductance, and Capacitance; Circuit Protection, Breakers and Testers
Relay Control (990-EC1) and Relay Control Troubleshooting (990-EC1F)	Control Logic and Logic Elements, Control Circuit Design, Relay Operation and Applications, Time-Delay Relay Applications, Machine Modes of Operation
Motor Control (990-MC1) and Motor Control Troubleshooting (990-MC1F)	Control Ladder Logic and Relays; Troubleshooting, Reversing Motor Control and Automatic Input Devices; Interpreting Schematics and System Design

ELECTRONICS

AC Motor Drives (990-DRV1) and (990-DRV1F)	Introduction to AC Drives, 2 and 3 Wire Motor Control, DC Injection Braking and AC Drive Versus Line Starting, S-Curve Acceleration
Electronic Sensors (990-SN1)	Electronic Sensor Advantages and Components; Inductive, Capacitive, Magnetic Reed Sensors; Sensor Measurement and Applications
Power and Control Electronics (990-ELE1)	Power Supply Filtration and Regulation, Discrete and Thermal Sensing Devices, Analog Sensing and Solid State Switching, Solid State Speed and Power Control
PLC - Allen-Bradley: (990-PAB53A), (990-PAB53AF), and (990-PABCL1F)	Panelview Plus Terminal Operation and Application Editing; PLC Program Operations and Programming; Program Control, Math and Data Instructions; Analog Inputs and Outputs
PLC - Siemens: (990-PS712) and (990-PS712F)	PLC Operation and Programming and HMI Panel Operation, Event Sequencing and HMI Application Editing, Reversing Constant-Speed Motor Control, Variable Speed Motor Control and Stepper Motor Control

FLUID POWER

Basic Hydraulics (990-BH1)	Hydraulic Power Systems and Circuits, Principles of Hydraulic - Pressure and Flow, Hydraulic Speed Control and Pressure Control Circuits, Pressure Reducing Valves and Troubleshooting
Pneumatics (990-PN1)	Pneumatic Power Systems and Circuits, Pressure and Flow and Directional Control Valves, Air Logic and Pneumatic Maintenance, Flow Control and Cam Valve Application
Pneumatics Troubleshooting (990-PTB1)	Pneumatic Troubleshooting Concepts, Air Preparation and Regulator Troubleshooting, Troubleshooting Vacuum and Pneumatic Systems, Machine Sequence Faults

MECHANICAL

Mechanical Drives (990-ME1M)	Shaft Speed, Torque and Power Measurement; Power Transmission Systems and Shaft Alignment; Introduction to V-Belt Drives and Chain Drives; Spur Gear Drives, Installation and Analysis
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PROCESS CONTROL

Process Control – Level & Flow (990-PC1) and Process Control Troubleshooting – Level & Flow (990-PC1F)	Process Control Concepts, Instrument Tags, Piping and Instrumentation Diagrams, Loop Controllers, Final Control Elements, Level Measurement, Liquid Level Control, Methods of Automatic Control, Basic Flow Measurement and Control, Control Loop Performance
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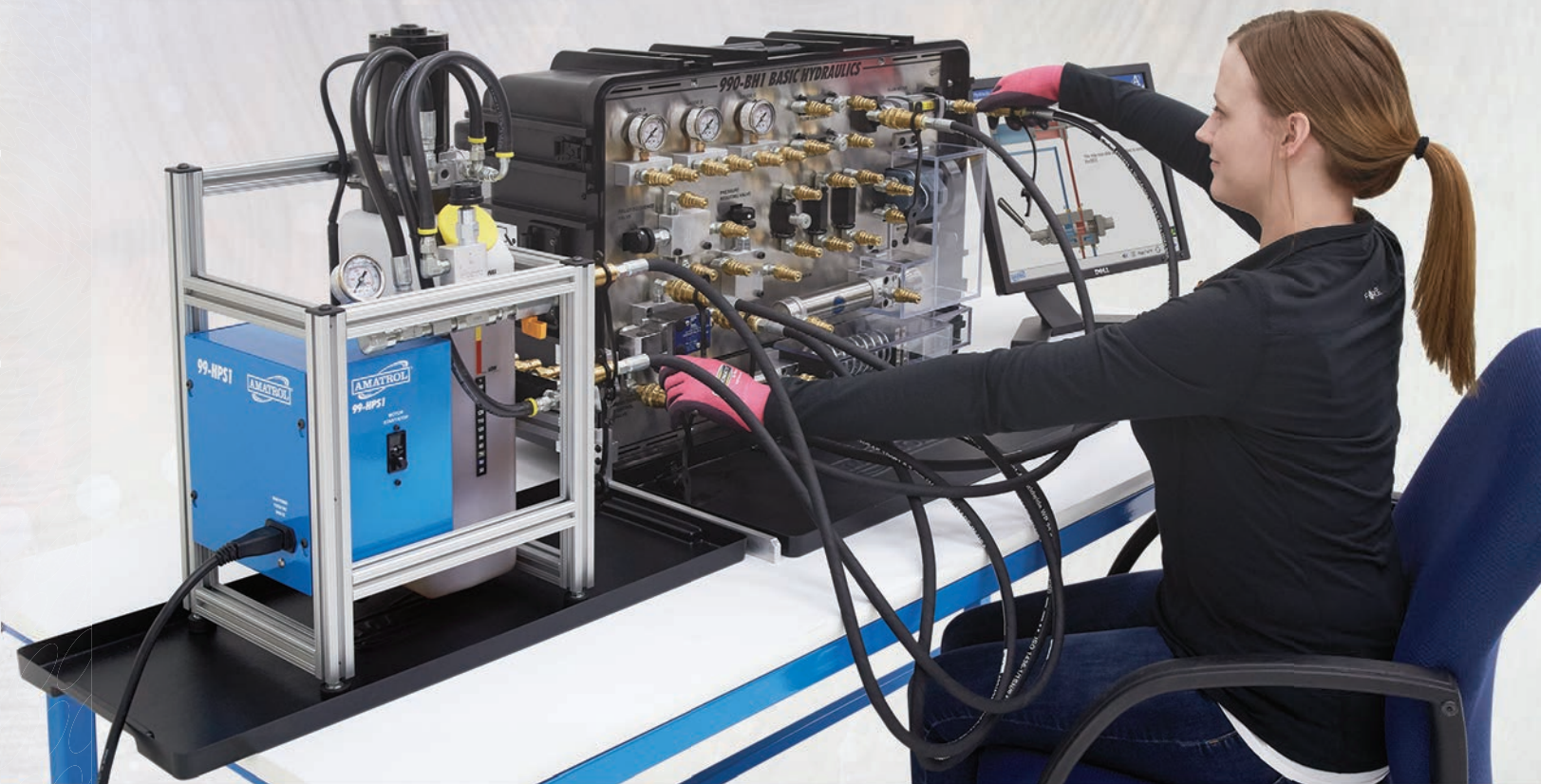
QUALITY ASSURANCE

Measurement Tools (990-MES1)	Tape Measurement, Measurement Conversion, Dial and Digital Caliper Application, Dimensional Gauging and Data Collection
Precision Gauging (990-PG1)	Basic Measurement and Conversion; Dial and Digital Caliper Application; Introduction to Gauging & Tolerance and Go, No-Go Gauging

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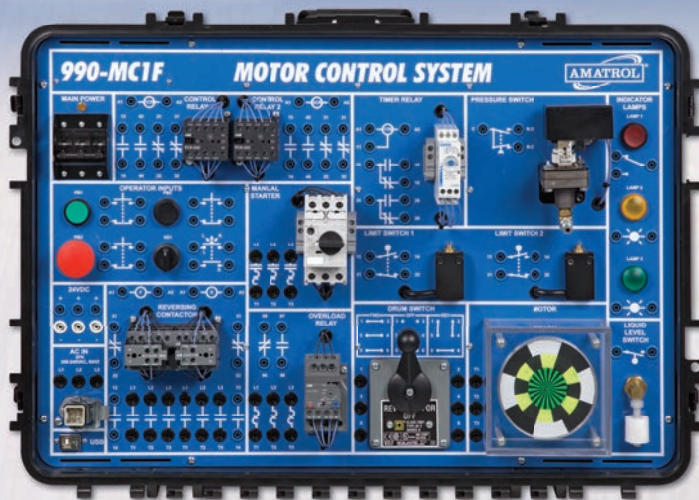
PORTABLE TRAINING SYSTEMS

COMPLETE TRAINING SOLUTIONS THAT ARE
PORTABLE, FLEXIBLE, EASY TO TRANSPORT, & QUICK TO SET UP

DEVELOP CAREER-READY SKILLS UTILIZING PORTABLE SYSTEMS



Motor Control



990-MC1

FAULTPRO™
COMPUTER-BASED FAULT INSERTION

Evaluate and Expand Skills

Amatrol's portables address a range of training areas and fully measure authentic skills. FaultPro, offered on select systems, builds invaluable troubleshooting skills.

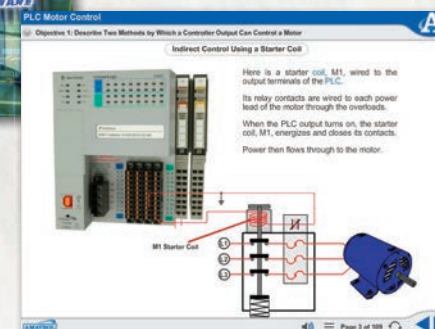


Interactive Multimedia



World-Class Curriculum, Easy-to-Use Hardware

The convenient size of Amatrol's training systems allows for sharing between locations. Portables are available for a variety of topic areas, including fluid power, electronics, automation systems, and mechanical drives.



Interactive Multimedia

Programmable Logic Controllers



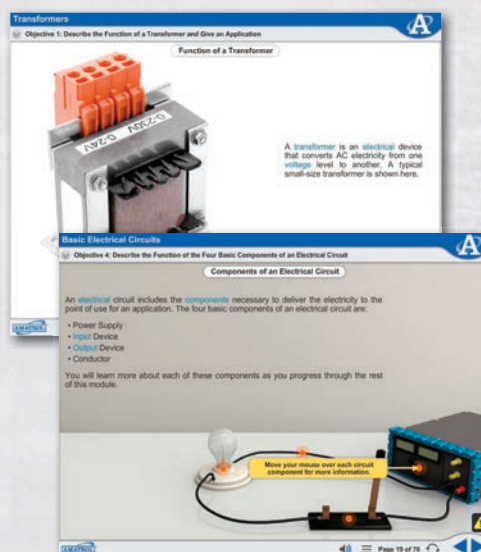
990-PAB53A

Utilize Full Spectrum of Learning Tools

Amatrol's portable training systems don't sacrifice learning outcomes for portability. They offer both hands-on-training and interactive multimedia designed to complement various learning styles.

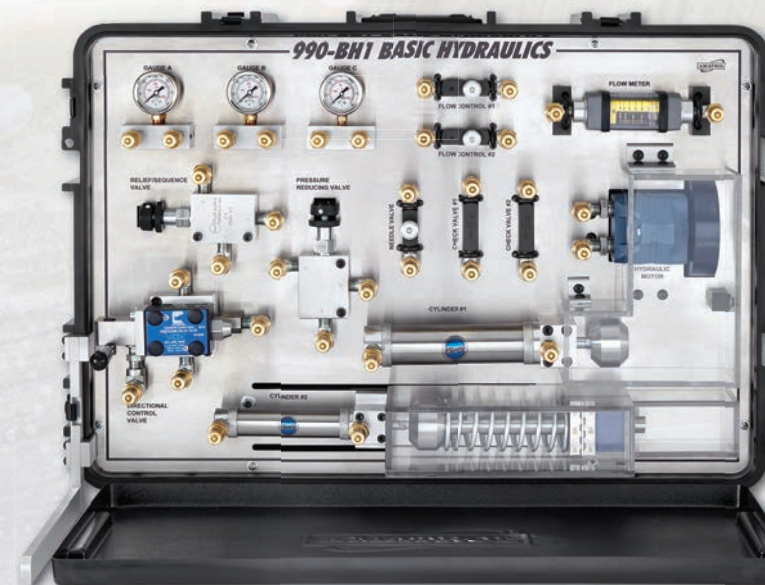
AC/DC Electrical

990-ACDC1

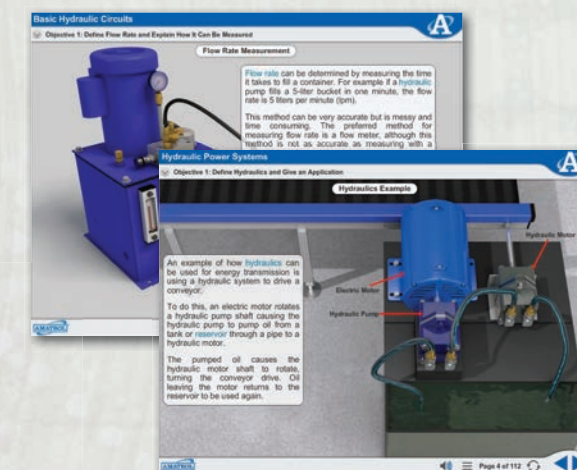


Interactive Multimedia

Basic Hydraulics



990-BH1



Interactive Multimedia



Comprehensive Training

Amatrol's portables provide a variety of built-in applications, addressing the same skills training as larger counterparts.

More Than 20 Portable Learning Systems Available